

How Small of a Free-Space Settlement Can People Be Happy Living In?

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Abstract

We have conducted an internet survey of 1,075 subjects to shed light on their views about the desirability of living in a small space settlement in orbit close to the Earth. This is motivated by studies suggesting that early space settlements can be significantly smaller than previously believed and located very close to Earth, making construction, occupation, and operation vastly easier to execute. The primary goal of the survey was to determine how small, both in land area and population, a settlement could be and still attract a sizeable number of potential settlers. Roughly 6% of all respondents said they could be happy living in a space settlement no bigger than a large cruise ship with no more than 500 people and they would be willing to devote at least 75% of their wealth to be able to live permanently in orbit. While this is a small fraction of the subjects surveyed, when expanded to all space enthusiasts world-wide it should be more than enough to populate a number of small settlements.

Introduction

What is the minimum size of a free-space settlement? Until recently it was believed that size was determined by the rotation rate needed to supply 1g of pseudo-gravity at the hull. The highest rate believed acceptable was 2 rpm as higher rates would make settlers sick. This would require a diameter of at least 450 m. However, an extensive study of the literature [Globus 2017b] has shown that people will rapidly adapt to rotation rates of at least 4 rpm, and 6 rpm may even be acceptable, corresponding to a diameter of 112 and 50 m respectively. However, it is unclear that people would be willing to live in such a small settlement.

In the 1970's Princeton professor Gerard O'Neill proposed building satellites big enough to live in (kilometer scale), initially positioned at the Earth-Moon L5 point to have access to lunar materials [Johnson 1975][O'Neill 1977]. Most of the materials (99%+) were needed for radiation shielding. Total mass of these systems was measured in millions of tons. Due to the enormous size of the project and its distant location (380,000 km from Earth) these settlements were never built. However, recent studies discovered that a region of space called Equatorial Low Earth Orbit (ELEO) directly above the equator has relatively little radiation. Indeed, below about 500 km radiation levels are sufficiently low that little or no shielding is necessary [Globus 2016]. No shielding combined with a higher rotation rate (e.g., 4 rpm) means that settlements can be under 10k tons, a vastly easier-to-build proposition due to the small size and more accessible location [Globus 2017a].

However, although the small size and convenient location makes for easier construction and operations, it is not clear that such settlements would be able to attract settlers, particularly as the technically qualified individuals needed to operate a gigantic satellite are, for the most part, accustomed to living in large cities or suburbs, not tiny settlements of perhaps 500 or so people. On the other hand, the proximity of ELEO to Earth may be attractive to

many as full integration into the Earth's communication system is possible and unhappy settlers could return to Earth in a few hours travel time.

We conducted an internet survey to gauge opinion on this matter and to throw light on the minimum size settlement that might be acceptable. We first examine the methods used, followed by some discussion and results. There are four appendices with the detailed results, including all the answers to the open-ended questions.

Method

An internet survey was constructed and made available to the public from 8 January 2016 to 17 June 2016. We received 1,075 responses in that period. The Qualtrics survey software at San Jose State University was used. The author emailed the URL to about 500 people on his space email list, posted on Facebook and sent it to a number of space related organizations. All contacts were asked to further distribute the URL. As the primary author is a well-known advocate of free-space settlement, the distribution of respondents is in no way representative of the general population but is, rather, heavily skewed towards space enthusiasts (95% of respondents said they were space enthusiasts).

There were six closed (multiple choice) questions, two open questions (text) and six closed questions about the respondents themselves. The six closed questions were:

1. Would you like to live permanently in Kalpana Two¹, including perhaps raising your kids?
2. If you were to move to Kalpana Two how long do you think you would like to stay?
3. How much do you want to live in Kalpana Two?
4. How much of your wealth and future income would you be willing to spend to live in Kalpana Two?
5. What is the smallest number of people you could be happy living with in a space settlement?
6. What is the smallest physical size of a space settlement you could be happy living in?

The questions regarding the respondents were:

1. Optional: Do you consider yourself a space enthusiast?
2. Optional: Are you a member of a space advocacy organization such as the NSS, SFF, or Planetary Society?
3. Optional: How old are you?
4. Optional: Where do you live?
5. Optional: Are you male or female?
6. Optional: What is your approximate income (per year)?

The open-ended questions were:

1. What aspects of living in Kalpana Two are most attractive to you?
2. What aspects of living in Kalpana Two are least attractive to you?

¹ Kalpana Two is a cylindrical space settlement design 100 m in diameter and 100 m in length. It rotates at 4 rpm to provide about 1g pseudo-gravity at the hull. It is described in the introduction to the survey (see below).

The complete results can be found in the appendices:

1. Appendix A has introductory remarks and images.
2. Appendix B has the full results of the close-ended questions.
3. Appendix C has the data on the people who responded.
4. Appendix D has the answers to the open-ended questions exactly as entered. This is quite long.

Note that the question numbering is out of order. In the survey the order was: introduction, close-ended questions, open-ended questions, respondents questions.

95% of respondents were self-described space enthusiasts and 81% were male. 70% were from North America and 20% from Europe. This is not surprising as the authors made no attempt to select a random sample of any particular group, but rather to simply distribute the survey as widely as we could.

Results and Discussion

At least 30% of all respondents said they agree with at least one of:

1. They would like to live permanently in a space settlement.
2. A settlement no greater than the size of a large cruise ship is enough.
3. No more than 500 people is enough.
4. They would be willing to devote at least 75% of their wealth to move in.

However, only 6% accepted all four of these conditions. That only six percent of respondents were willing to say they could live in an expensive, small, close settlement is not surprising. Living in space is not a small step. Fortunately, as the global population is over seven billion and many are space enthusiasts, six percent of the total population of space enthusiasts is likely a rather large number of people, certainly more than enough to fill up quite a few 500 person settlements. It is also encouraging that only 8% of respondents flatly rejected living in Kalpana Two. Even some non-space enthusiasts were open to being convinced to move on board.

Interestingly, females responded only a little less enthusiastically than males, perhaps because 80% identified as 'space enthusiasts' as opposed to 97% of the males.

Our concerns about technically capable people being willing to live in a small settlement may not be warranted. 63% of respondents said they could live with 1,000 or less people and 69% said they could live on a settlement no larger than the size of a small college campus. 62% said they could accept both conditions.

Almost half of respondents made less than \$50K/year and only three more than \$500,000. All of these three were very enthusiastic and checked "I cannot wait to go." Two were willing to pay "Everything I've got." They did want a larger population, checking "501 to 1,000," "1,001 to 5,000," and "More than 10,000" for population size. None said they would be happy on a cruise ship sized settlement. Interestingly, none of them entered anything for the open-ended questions. The attitudes of the wealthy are important because even with the most optimistic scenarios travel to and from a settlement could easily cost \$100,000 or more per person². The cost of transporting the materials for construction using the same optimistic scenario would likely be over \$1 million per resident [Globus 2017a].

² The most optimistic future cost projection by a successful space launch company is that the SpaceX Interplanetary Transportation System (ITS) could meet its cost goal of \$200,000 per person from Earth to Mars. The first leg of this

When responding to the open-ended question about what is attractive about living in space the most common remark was simply that it was “in space,” not any particular characteristic of living in space. This was mentioned by around 375 of the 1,075 respondents. This suggests that simply the idea of living in space is a powerful motivator. There were also a number of respondents that liked the idea of living in a small, tight-knit community. The ‘least attractive’ question drew many responses including separation from family, small size, high cost of travel to and from the settlement, and danger.

Conclusion

A small fraction (6%) of space enthusiasts say they are interested in living in the equivalent of a 100 m diameter 50 m length settlement (large cruise ship size) sharing with around 500 people in a low orbit around the Earth. This is probably enough to fill a number of early settlements. This is good news for early space settlements: the first ones can be a mere 500 km away and have a mass less than 20 times that of the International Space Station (ISS). Thus, building the first space settlement is not necessarily a massive project with gargantuan up-front costs, but rather a difficult albeit tractable engineering problem with large upfront costs.

Acknowledgements

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References

[Globus 2017a] Globus, AI, Stephen Covey, and Daniel Faber. “Space Settlement: An Easier Way,” February 2017. <http://space.alglobus.net/papers/Easy.pdf>.

[Globus 2017 b] Globus, AI, and Theodore Hall. “Space Settlement Population Rotation Tolerance,” January 2017. <http://space.alglobus.net/papers/RotationPaper.pdf>.

[Globus 2016] Globus, AI, and Joe Strout. “Orbital Space Settlement Radiation Shielding,” December 2016. <http://space.alglobus.net/papers/RadiationPaper.pdf>.

[Johnson 1975] Johnson, Richard, and Charles Holbrow. “Space Settlements: A Design Study.” NASA, 1975. <http://space.alglobus.net/75SummerStudy/Design.html>.

[O’Neill 1977] O’Neill, Gerard K. *Space Resources and Space Settlements - NASA SP-428*. NASA, 1977. <http://space.alglobus.net/spaceres/index.html>.

Appendix A: Introduction

This introduction was shown to each respondent when they clicked on the survey URL. Note that the images are of Kalpana Two, a 100 m diameter 100 m length cylindrical settlement located in ELEO. The settlement in the images is about twice the length of the equivalent living area of a very large cruise ship, the size that over 30% of respondents say they could be happy living in. Here is the introduction as presented to responders.

transportation system is from Earth to Low Earth Orbit and we assume that it will be half the cost of the whole trip, which is probably conservative.

Space Settlement Survey

In a few decades you might be able to buy an apartment in space. Recent groundbreaking research indicates it is much easier than previously thought to build space settlements in orbit very close to Earth. Intrigued? You can help.

Please read the description of the proposed space settlement, named Kalpana Two, answer eight required survey questions, then click on the >> button at the end. This usually takes less than ten minutes. Your responses will help inform the design of early space settlements. Thank you in advance for your participation.

Kalpana Two

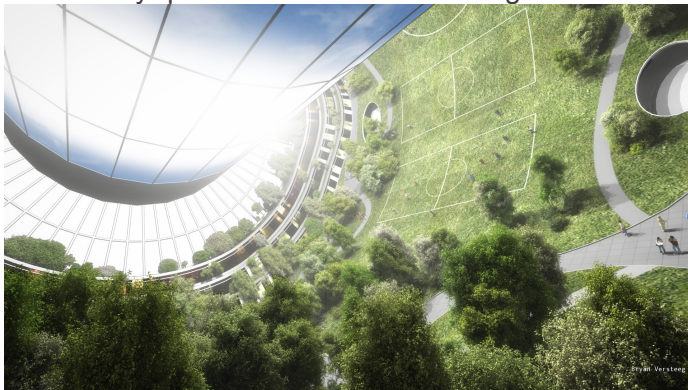
The Kalpana Two design is a cylinder 110 meters (120 yards) in diameter and 110 meters in length. Total living area is about the same as three of the world's largest cruise ships lashed together. It will have a population of 500-1,000 residents and guests.

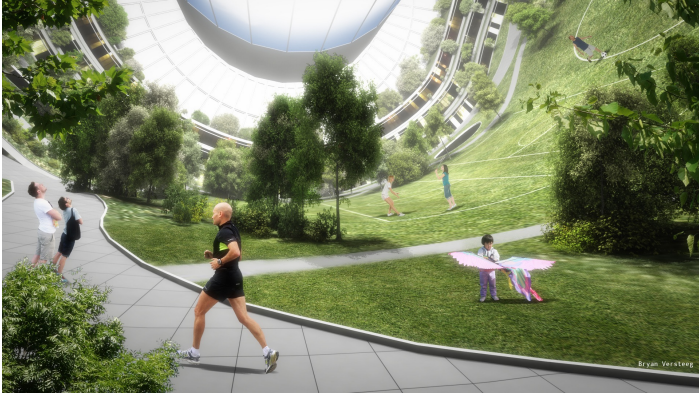
Kalpana Two is designed to orbit about 500 kilometers (310 miles) above the Earth's equator, where space radiation levels are particularly low. Residents will have spectacular views of Earth. People will be able to travel to and from Earth in a few hours, although it will be quite expensive, perhaps hundreds of thousands of dollars. However, Kalpana Two is close enough for full integration into Earth's economy and communication systems, including the internet and interactive video calls.

Kalpana Two will have Earth-normal artificial gravity on the inside of the hull and zero-gravity in the middle, where you can literally fly. Space walks outside the settlement may also be popular.

There will be plenty of work in Kalpana Two. Keeping it running will require a great deal of recycling and repair. The benefit, however, is that the residents would have unprecedented control over their lifestyles: who will join the community, what food is grown, how the settlement will be governed and even what the weather will be.

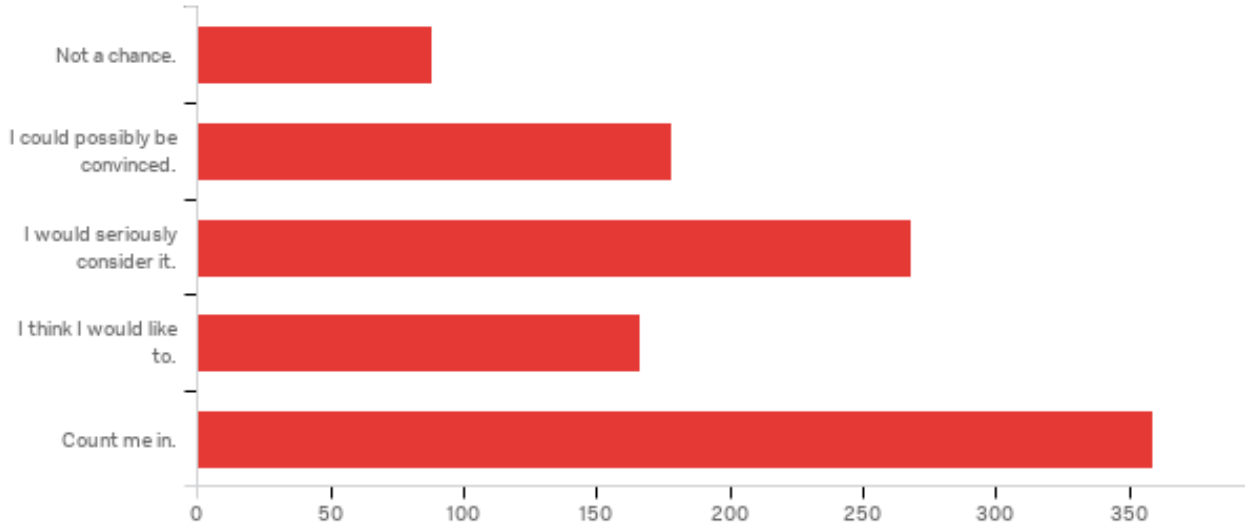
Here are images from Bryan Versteeg's artistic concept of Kalpana Two to give you a feel for living there. The survey questions are after the images.





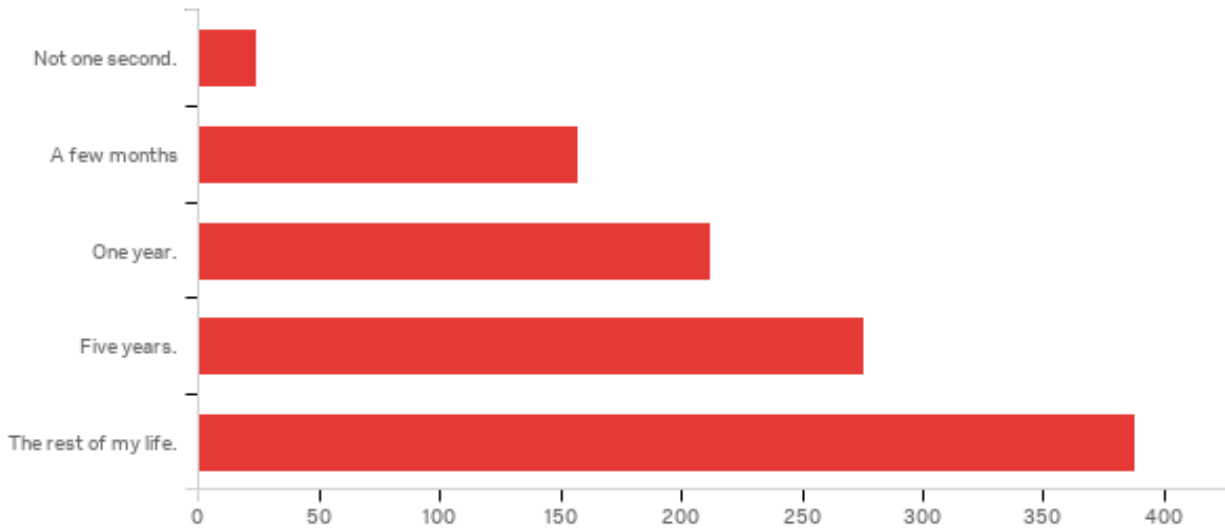
Appendix B: Closed Questions and Answers

Q2 - Would you like to live permanently in Kalpana Two, including perhaps raising your kids?



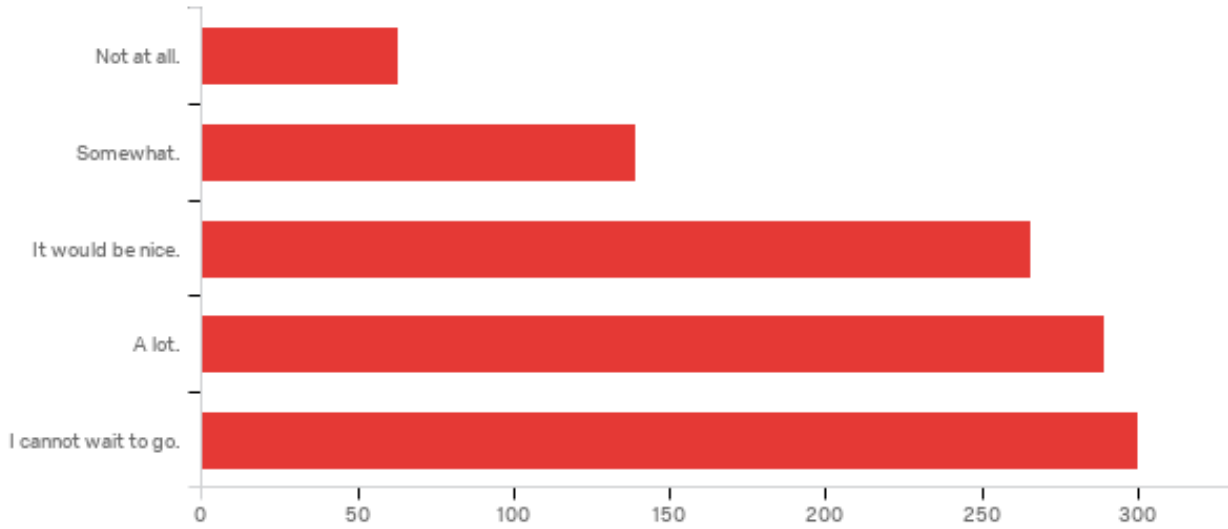
Answer	%	Count
Not a chance.	8.31%	88
I could possibly be convinced.	16.81%	178
I would seriously consider it.	25.31%	268
I think I would like to.	15.68%	166
Count me in.	33.90%	359
Total	100%	1059

Q4 - If you were to move to Kalpana Two how long do you think you would like to stay?



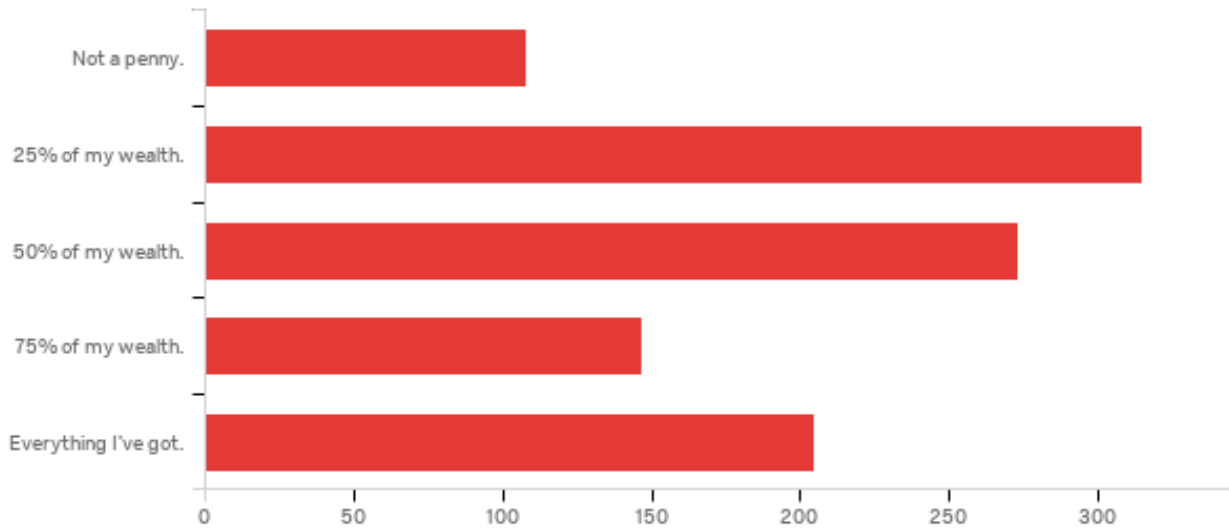
Answer	%	Count
Not one second.	2.27%	24
A few months	14.85%	157
One year.	20.06%	212
Five years.	26.11%	276
The rest of my life.	36.71%	388
Total	100%	1057

Q15 - How much do you want to live in Kalpana Two?



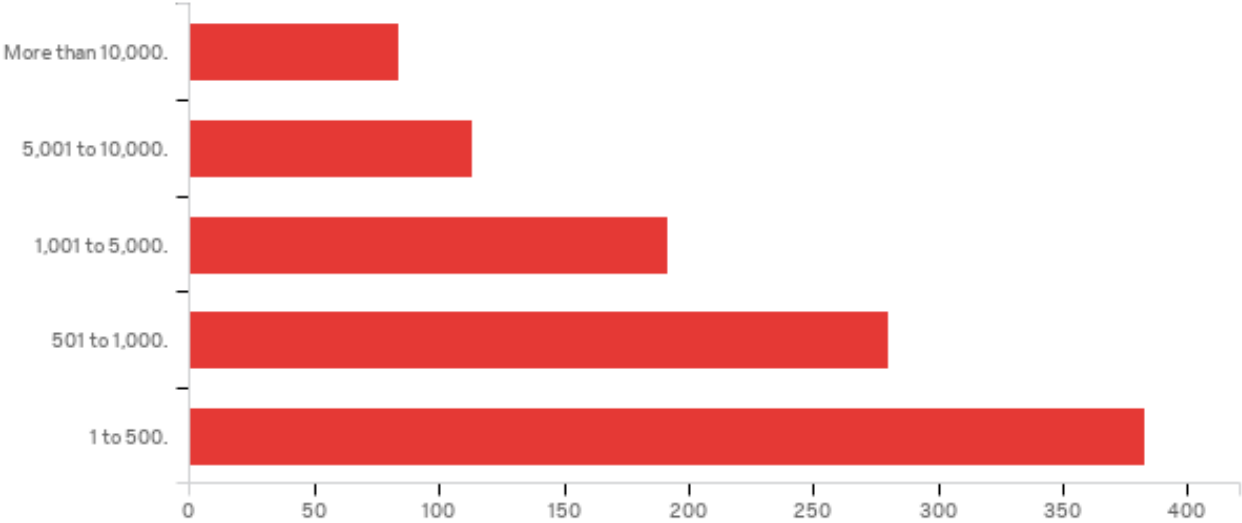
Answer	%	Count
Not at all.	5.96%	63
Somewhat.	13.15%	139
It would be nice.	25.17%	266
A lot.	27.34%	289
I cannot wait to go.	28.38%	300
Total	100%	1057

Q3 - How much of your wealth and future income would you be willing to spend to live in Kalpana Two?



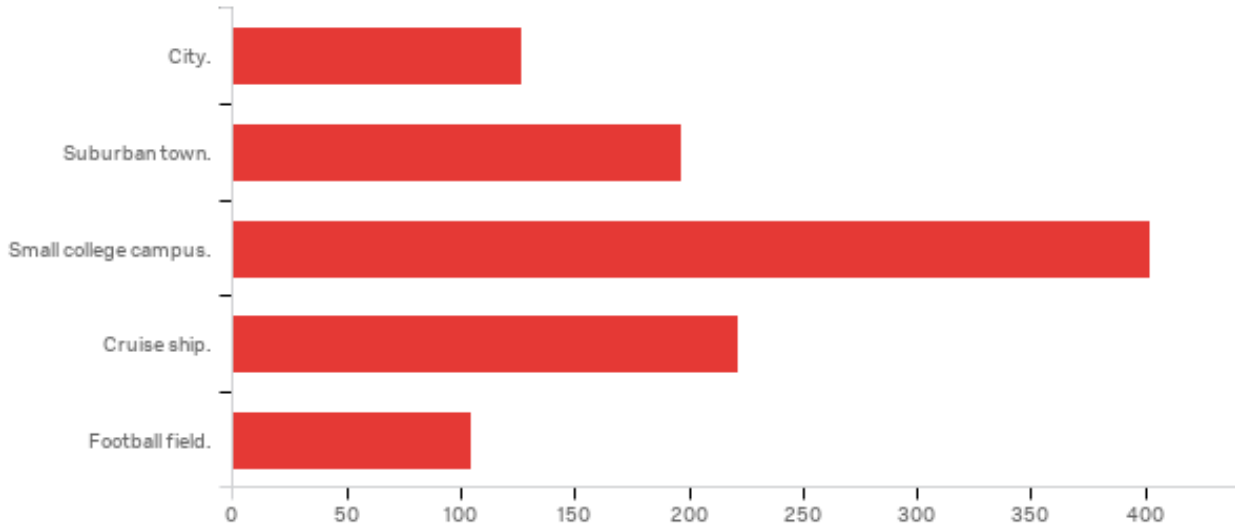
Answer	%	Count
Not a penny.	10.31%	108
25% of my wealth.	30.06%	315
50% of my wealth.	26.05%	273
75% of my wealth.	14.03%	147
Everything I've got.	19.56%	205
Total	100%	1048

Q5 - What is the smallest number of people you could be happy living with in a space settlement?



Answer	%	Count
More than 10,000.	7.98%	84
5,001 to 10,000.	10.74%	113
1,001 to 5,000.	18.25%	192
501 to 1,000.	26.62%	280
1 to 500.	36.41%	383
Total	100%	1052

Q6 - What is the smallest physical size of a space settlement you could be happy living in?

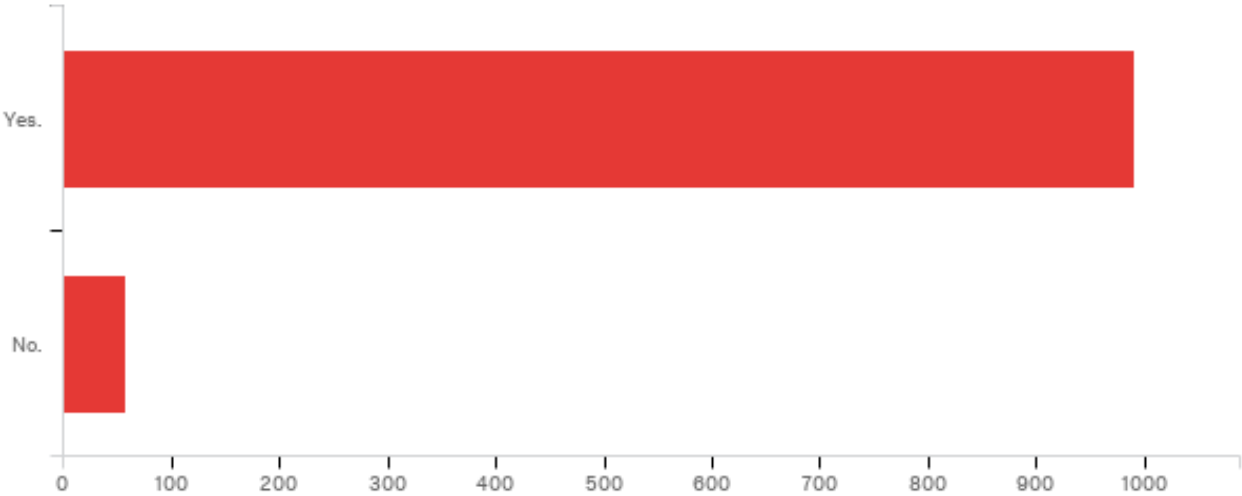


Answer	%	Count
City.	12.06%	127
Suburban town.	18.71%	197
Small college campus.	38.18%	402
Cruise ship.	21.08%	222
Football field.	9.97%	105
Total	100%	1053

Appendix C: Respondents

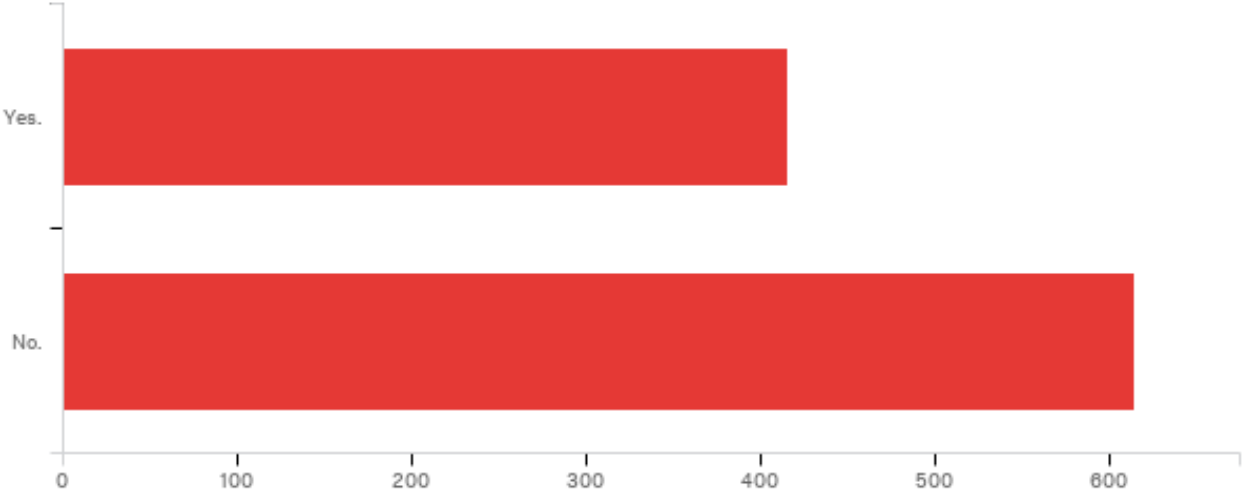
This section lists the questions and answers to the questions concerning the nature of the respondents. All are explicitly tagged as optional.

Q11 - Optional: do you consider yourself a space enthusiast?



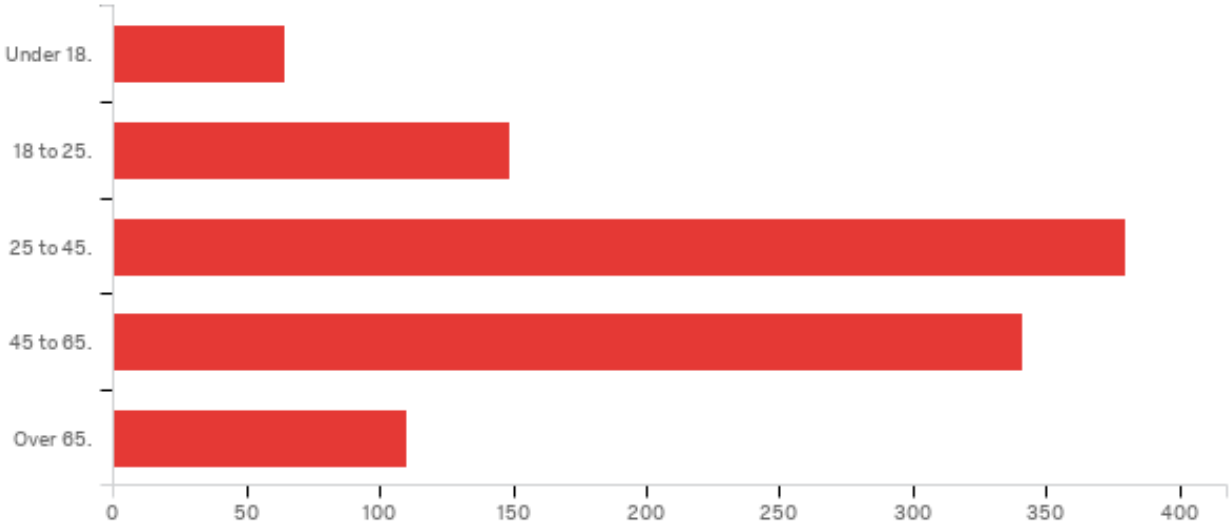
Answer	%	Count
Yes.	94.47%	990
No.	5.53%	58
Total	100%	1048

Q16 - Optional: Are you a member of a space advocacy organization such as the NSS, SFF, or Planetary Society?



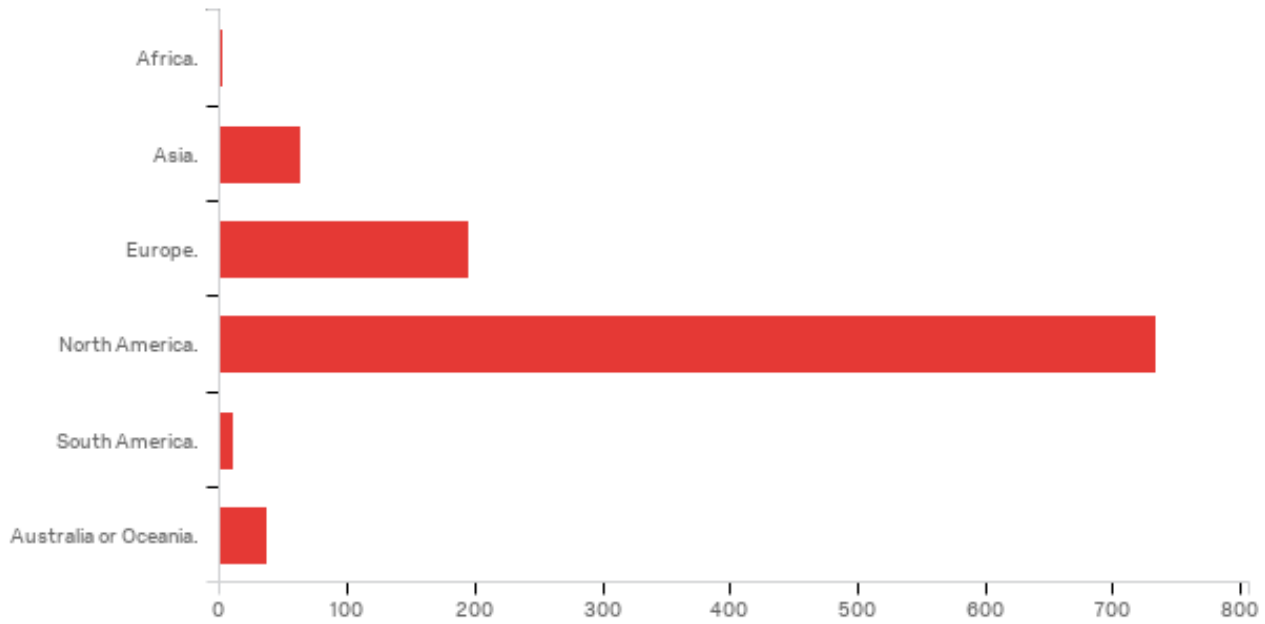
Answer	%	Count
Yes.	40.33%	415
No.	59.67%	614
Total	100%	1029

Q7 - Optional: how old are you?



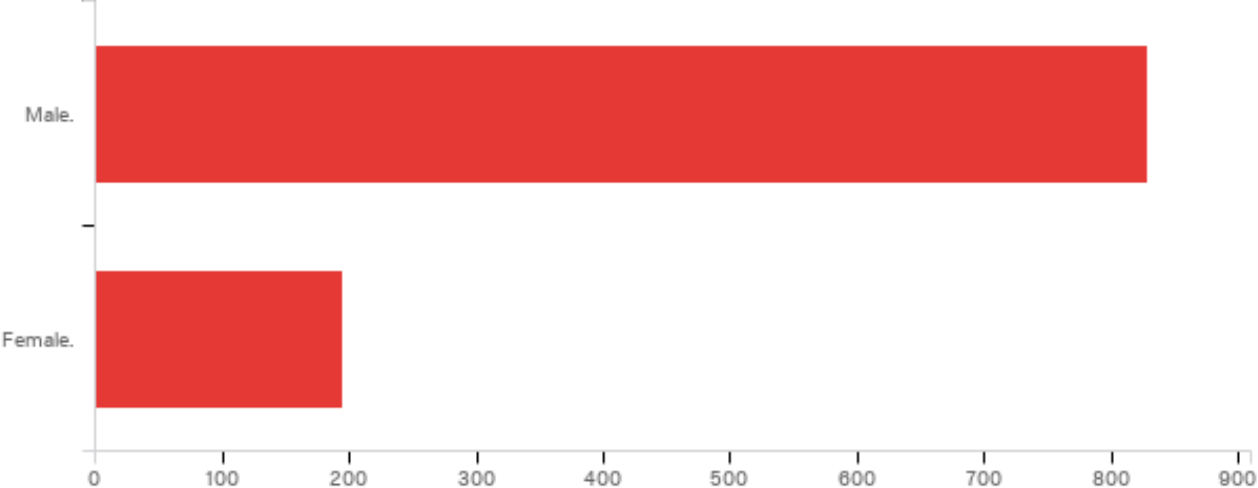
Answer	%	Count
Under 18.	6.13%	64
18 to 25.	14.27%	149
25 to 45.	36.40%	380
45 to 65.	32.66%	341
Over 65.	10.54%	110
Total	100%	1044

Q8 - Optional: where do you live?



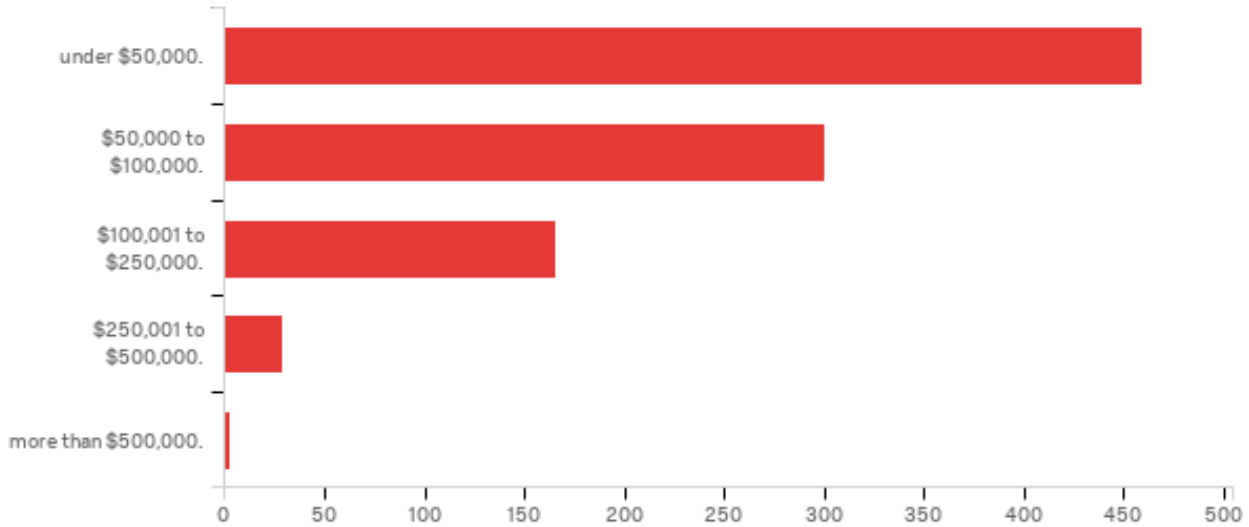
Answer	%	Count
Africa.	0.29%	3
Asia.	6.04%	63
Europe.	18.70%	195
North America.	70.37%	734
South America.	1.05%	11
Australia or Oceania.	3.55%	37
Total	100%	1043

Q9 - Optional: are you male or female?



Answer	%	Count
Male.	80.94%	828
Female.	19.06%	195
Total	100%	1023

Q10 - Optional: what is your approximate income (per year)?



Answer	%	Count
under \$50,000.	47.96%	459
\$50,000 to \$100,000.	31.35%	300
\$100,001 to \$250,000.	17.35%	166
\$250,001 to \$500,000.	3.03%	29
more than \$500,000.	0.31%	3
Total	100%	957

Appendix D: Responses to Open Ended Questions

Q12 - What aspects of living in Kalpana Two are most attractive to you?

Safe. Clean. Pioneer.

Beautiful views, life style.

Ytopia

Helping to figure out the engineering challenges for larger colonies and generation ships.

Being in space.

I have always wanted to go to space. This would be a nice change to the boring usual lifestyle I have.

The views.

Explorer Research Making my late daughter proud

Space. Meeting crazy people like myself. Also, as a physicist, I want to work on building these things.

Being in orbit

Green tech. Deciding what I do and when. Removal from earth b.s.

It's in space!

Being in space with space walks and view of earth.

Sustainable living, community building, and aiding in learning from and developing future technologies

Zero gravity, space

Contributing to the advancement of science and technology,

Views of Earth, low radiation and still integrated with Earth socialization.

Beautiful view, the chance to make a difference for the future of humans

The views, the experience, the cutting edge nature of the environment, what it would mean for the future of humanity, the like mindedness and passion of the other people in the environment

Quick turnaround on ideas, change, etc

Sampling freedom from gravity for more than just a minute or so and the initial view.

Preparation for moving on to the next frontier

Zero gravity recreational activities.

Being pioneers for the human race, love of space and science, the experience of a lifetime, researching and advancing technologies

Other than the basics that I am sure everyone already stated I would do it because; To survive we must eventually leave this planet, I would like to be a part of the team that help us make that transition, the uniforms look cool.

The research opportunities.

Novelty and adventure

the chance to be part of history. the chance to help write the next chapter in humanity's story.

A controlled environment

Adventure

That it's in space.

Healthier living conditions. Some control over my private life.

Holistic Environment Capabilities, Recycling capability of All the possible Resources, Great care for Innovation & Design centred future cities Development esthetics and more important value and care for all the residents

zero or low gravity

Sense of community, pioneering

The structure and the sense of adventure I'd get from living on space.

1.) Gravity variation options for recreational purposes. 2.) I'd be living in space! 3.) The whole experience.

Although I wouldn't like to live there myself, I find ideas like this fascinating, and very much like the idea of rapturing up as many terrestrial occupants as possible.

I've been reading sci-fi for 63 years and doing music, mycology and computer modeling for 60, 40 and 30 years respectively - and like the absurdity of an accordion in zero-g - along with selective gravity zones for my vintage bones.

It's in space!

Zero gravity area.

Adventure. Progression of human knowledge. Community.

Getting off-planet and doing something untried.

It's a cool idea.

I believe this type of rotating space station is realistically doable and would very much like to see its construction in my lifetime.

Self sustaining environment, study, research on health, community, interfaith understanding and creativity.

A brave new world

Not really anything for me personally except to admire as an outside observer

I see it as an Earthling town floating in space, therefore, the same things that attract me to live on Earth.

Being a pioneer, novelty, being among forward-thinking individuals.

control of atmosphere and food - so that it is healthy

The opportunity to be part of space colonization and experiments related to space station life.

Separation from the problems of earth

Being in space.

It's unique and interesting

It's in space.

nothing

Being in space!

Space

None

Zero gravity and space walks

The idea of living in space. The uniqueness and the rapid expanding of human intellect!

Living in low gravity space!

All people are chosen or have chosen to live there out of motivation and to gain personal experience, a lot of people will have the same interests and mentality. There will also be a lot less crime than on Earth, considering there would be no need for that.

Being able to go to the center where there is no gravity and flying,

Chris Jannette here. I'd relocate the Space Settlement Alliance / TRED Labs there and have a training facility that would constantly be doing shuttle runs to new locations using KP2 as a launch point.

Away from Earth & noise, traffic, etc. For studies, research, mediation issues,

adventure

Living in a space settlement that is close enough to be fully integrated with Earth's economy. That, and the view!

Low energy cost access to travel in the Inner solar system.

Helping humanity create the first colony in space with the hope of creating more and more as time went by.

Progressing human settlement in space and potentially Mars

Unique, can experience weightlessness depending where you are at.

The difference of all.

Probably, the views of Earth and its apartness from our world.

The new place for life - the Space.

Living in space

1. The ability to expand easily 2. Convenience of resources 3. Controlled weather

Clean Open environment, high technology living a place to live not to visit.

Maybe one of the reasons is that we will be where space radiation levels are particularly low. And I think that humanity should take risks, because we should explore the space and see which is the best protected place for us, our kids and etc.

It's in space.

To help mankind become a spacefaring species.

Not a thing

high strangeness.

being in space

its in freakin' space

The ability to be in a self-governing, self-sustaining community where everyone works together. Also I think it represents a big leap forward that I would like to be a part of.

being in outer space

Being in space

Places to exercise and enjoy nature

Being there!

The historical aspect, as well as the potential of space walks.

Taking part in a pioneering effort that could help shape future human activities in space.

Artificial Gravity, Not too tough to inhabit

Views of Earth, customisation of the living space, small community.

the view

Novelty, but that wears off. Why not discuss WHY we would want to go up there in the first place. Most of us don't move somewhere unless we have a reason (job).

Be part of cutting edge environment leading to human exploration of space. I live and work well in confined or well defined areas.

Living in space Working in space The view from any viewing gallery

It is in space.

Actually being in space.

Exotic setting, state-of-the-art tech, friendly and tolerant community (IF that can be achieved).

Being in space. Experiencing zero gravity. Meeting new people

The view

The novelty.

Location in space. Choice of gravity level. Progress into the future.

To have the experience of living in space would be amazing; the freedom of being able to help establish a possible governing system, and be a part of this pioneer in space technology.

The views of the earth and the chance to work on views of the galaxy. Perhaps even being able to work on the building of ships for travel to Mars, moon, or the asteroids.

Living in space and seeing earth from there, having the option of spacewalks and zero gravity.

Small community where we would / could have self determination.

Unlimited freedom to control my life.

The view

The adventure of it.

Helping mankind fulfill his/her destiny in the galaxy.

You can change landscape and living modules more easily

Variable gravity, view of the earth, sun, moon, stars

It may actually be a doable idea.

The involvement in the future of space settlements and the possibility of resettleing in the moon, mars or someother place that could be possibly terraformed.

I wanted to be an astronaut when I was a kid. It just never happened.

the adventure

The view, the novelty, and the challenge.

Ling and working on a anew frontier

A chance to start over, I believe this is the ultimate reason for our existence. Planet earth cannot continue to support human habitation as it is. It's just a matter of time before we totally outgrow our planet.

chance for longer, more productive life given my mutation (IBMPFD)

gravity

Helping to bring humanity's dream of "Ad Astra" into reality. Being on the "bleeding edge" of technology, the view, and the adventure of making Space Exploitation real!

Working with leading edge technology.

Being a pioneer, but not to far away incase anything goes wrong.

Views of Earth, Excitement of space pioneering, micro-gravity recreation area

Controlled low smog atmosphere for easy breathability, and ready access to low distortion views of space, Luna, and Terra.

Living in space

Being in space!!

Getting off this Earth! I have been waiting since the Apollo ear to get into space. We should have been on Mars by 1980 and since we are not, I will not wait for the government any longer. If I get the cash, I'm gone and I hope to never come back!

The advancment of science and engineering needed to build and maintain the environment.

A view of space

Nothing

A environment with ready access to space, Earth normal to free-fall gravity environments, the potential for an extraordinary community of people to be creating new real wealth as the economic sphere of humanity grows, a great place avoid retirement and maintain a high quality of life.

Having good and pleasent earth like atmosphere.

The chance to live and work with other people who are interested in demonstrating how mankind can live and work in Space.

The closed-loop system

You're in space!

Deciding my own lifestyle, easy movement within the central cavity, lots of opportunities for research and work.

Innovation, eco-house

Zero g experience. Being a "pioneer"

The mix of spectacular stellar views and beautiful greenery. Also the idea of a tight-knit community is also very attractive to me.

The extraordinary fact of what it is: a habitat in space - what a place to be!

Green space . Plants

walking and seeing, with it's unique design

The nature. The impression that the pictures gave to me were of freedom. It would feel as being on Earth.

the uniqueness of the environment and being a part of human achievement in space exploration/colonization.

living and working in space. This concept could lead to a future design for a voyage to another star system which would span several generations.

The view.

A new and interesting place to live.

Always dreamed of leaving earth, experiencing weightlessness as a recreation, the idea of a small town feel in a science fiction habitat is appealing.

Independence from terrestrial governments

Being able to see Earth and space, zero gravity, and the progression of the human race.

The idea that one can control the weather and living environment. The fact that most or all of the people living there will be there because they want to be, not because they feel there're few to no alternatives. The prospect of being able to participate in choosing the form of government.

Zero g, other opportunities

Just about everything about the concept intrigues me. If I had to name a few, I'd say the technical education that most everyone would have to have to live there (as an engineering student it bugs me that most people don't have even a basic grasp of the technology they are completely reliant on), the views (both inside & out) would no doubt be spectacular, & the idea of constructing little island worlds has always fascinated me. I mean, how incredible is that that we know how to do that?! We may not have the finances or infrastructure in place, but we know how to do it. I think it's the destiny of our species to one-day be world builders.

Endless research possibilities, amazing views, new explorations, meeting like-minded people, and being a part of a new age for humanity.

The adventure and cutting edge technology.

Its in space

Spaaaaace

no pollution

Live vegetation, artificial gravity, space walks

We can literally fly

Plant life

Living in space - I feel that is some thing that makes me feel amazing .

The adventure, people living in space

The location and overall novelty of the experience.

Promote future driven politics, produce experiments in space, social research in space, space tourism.

To live like no man has lived before, do research and see how humans can evolve in outer space and research opportunities.

Pets being allowed to come

Living in LEO!

Controlled, consistent climate and meaningful work

Future prospects for me in life is health adventure and meaning . Gerald k O'Neil vision of expanding without fouling the worldwide nest in which we live

Space. The feeling of advancing human understanding and pushing the boundaries of what we can accomplish as a species.

Views back to earth and towards space. Also the inner surface might offer quite a sight. Flying. Yes, the flying.

Totally controlled environment, well educated residents

Living and working in space. To contribute to the future of life off earth. To do the hands on experimentation that comes with making things work while there. essentially being a high tech colonist in one of the most dangerous environments in which humanity has ever survived.

Greenery and central zero gravity zone

Getting away from the broken political systems that we are currently governed by

Seeing Earth from Space and perhaps being to participate actively and directly in space research

The peace and surviving

Closed self sustaining artificial ecosystems and life science that will be done there

The freedom of just lingering and focusing on technology development

Being in space.

I find attractive and interest that Kalpana Two will have Earth-normal artificial gravity on the inside of the hull and zero-gravity in the middle, where we can literally fly.

(Relative) isolation from Earth-bound problems. The prospect of a better-managed society. Being a pioneer of the Final Frontier.

Living in Space

exploring space, learn about life.. what is it ?

Artificial gravity. Is it caused by angular momentum?

The opportunity to be a part of humanity that expands outwards in to space. The capacity to farm sustainable on a space station.

Research opportunities

Aiding in the creation of new software technologies for this environment would be interesting. Living in space would be extremely interesting

zero gravity

To be involved with a platform for further space exploration

Choosing food and government

Predictable weather, control over disease, I'm old--it looks like it would be a great place to retire, could get plenty of exercise. To be able to fly at the center, a la Robert Heinlein (moon caves) would be amazing.

A remarkable next step for humanity living on this space settlement, opening up the door for other settlements

farther away from Earth. The management and maintenance of such a settlement will pave the way for possible new technologies. It will be an amazing experience for my children and hope that it will open up their eyes and minds to the wonders of space exploration. I also am attracted to the challenges and dangers of living on such a settlement.

Space! Earth normal gravity.

Controlled ecosystem, variable gravitational forces, being on the frontier of civilization and scientific discovery, possibility of living with the best sample of humanity.

it orbits around earth, the view alone would be amazing, the idea of being run by the people is nice(though its not the best system) Everyone helps to keep Kalpana working

Perhaps being in the front of future human expansion in the universe

Controlled environment

It would be cool!

Obviously a big change for reconsidering my life again a new start.

Opportunity to live close to space materials and energy production facilities.

Being a pioneer

Living off the Earth, the view from space,

The opportunity to live and work in space is the primary draw. I'm most attracted to the idea of participating in the creation of a human space colony and help to establish a true permanent civilian culture in space. A concrete physical aspect that I find attractive is the chance to have micro-gravity as a regular experience.

Space-living with like-minded people

The view would be tremendous, provided that you can engineer the "windows" appropriately. Microgravity commercial space is a critical element in the economics of space settlements. Tourism is also a likely factor though the cost of flight must drop to a level that is competitive with high-end resorts.

technology, innovation

Living in Space, but being close to Earth is a great transition for Humanity. Also it provides protection from criminals, terrorists, and diseases, because the community is closely nit, and has the power to control who leaves, and who enters.

A new way of living your life, literally the adventure of a lifetime. Being able to live out in space, where I do not technically have to be an astronaut. Being able to have a close-net community that realize on each other.

Spectacular views of the earth/moon/space!

Innovation and technology. The view.

Its the future

Chance to contribute to a movement which spreads humanity across the System.

Living in space Able to change our modes of movement, to walk and fly due to change of gravity

The idea of living in space is my life long dream.

Novelty, recycling and caring of resources, future technology

Learning, building, discovering, and evolving into a higher level of social, economic, political, and technological life-style. Advancing humanity's mission of evolution. Helping discover new technologies, and traveling through space. Honestly, EVERYTHING about it excites me.

The support of a robust and capable space infrastructure to expand and improve the economy and standard of life

for all people. Space technology has a direct benefit to technology solutions everywhere. Investing in self into a system as advanced as this project would demonstrate and prove the feasibility and benefit of such efforts. Investment into Space infrastructure is the most sensible solution to many of the issues currently facing the species. I feel irresponsible not to support such endeavors.

Small town yet in space.

Cheap electricity Experience of being on the forefront of innovation

Exploring space

Well, flight in the middle, for starters. Living and working in a space habitat would be the end of my dreams.

Trying something new, discovering what works and what doesn't. Working to solve those issues.

Easy access to microgravity, freedom from Earth's environmental woes, easy access to planetary travel.

it would be a testament to human innovation...and the next step to travel and settlements further out from Earth orbit

Being in space, apart of groundbreaking work.

The fact that it's in freaking space.

Its different

Seeing earth from space, new frontier of living

Like minded people, technology, opportunity to live and work in space

Being a part of the future of space exploration.

Experiencing zero gravity, experiments for ground breaking science, possibility of using it as a platform for building ships to explore other planets.

The view from space.

Exploration, pioneering, and adventure.

Feeling different levels of gravity at different distances from the center. A view of the whole earth. Living on the frontier.

Pioneering a sustainable, replicable model for human expansion outside of Earth.

Joining a community that is very sensitive to recycling and taking care of the environment

It's in space!?

Adventure, living with like minded people

None.

Zero g. The views. The adventure of living in space.

The experience. The thought of all the members contributing and depending on each other equally.

Quality of life, mobility during advanced age

You are in space with an opportunity for business and exploration.

None

It being off of earth

New Land

Earth's view, zero-g fun, but above all helping take our civilization to the next level

controlled environment without pollution, work to help understand and develop how such large space habitat can function, be in space, view of earth, feel special

The weightlessness at the center.

Living in space. Advancing the future of living and exploration of new ways to do it. Being part of new world. Enjoying the different aspects of living in that environment. Sharing a dream with like-minded individuals.

Being one of the first people to live in space. Helping to shape technologies, processes, activities, etc. for future residents and guests.

The dare to dream and push the boundaries of the human sociological condition.

I would shed my space cadet status and level up.

Space

term the thrill of being in space. Long term helping seed humanity off earth.

Living in Space. Staying above the limits of Earth's atmosphere and problems.

Self governing and presumably pollution free/green environment friendly life style.

Integration into the world communications system and economy. The views of Earth. Plus the awesomeness of living and working in space!

Scientific researches

Living in space and all that implies

Lower gravity - screw that Earth normal crap, gravity sucks.

Pioneering a new lifestyle that would set the stage for further expansion into space.

The view. Being involved in the opening of space industries.

Being able to view the earth from space.

The view and it's always been a dream of mine

Adventure and lifestyle

Small town atmosphere where everyone knows each other. My wife is an alzheimers patient. We have little in the way of a support structure. One child who is 3,000 miles away and a niece and nephew that are 60 miles distant. A community of 1000 is exceedingly small and would be close knit. We live in a gated community of four hundred houses, roughly 2,000 people.

The view of Earth and sun(sets) from space, and of other astronomical objects. Additionally, the ability to play around in zero G, in the center of the cylinder and outside of Kalpana Two.

just to be in space

The new frontier

The beautiful views of Earth, the concept of a small but high-tech community, contributing to the space economy/space profit, the surreal experience of living in space without many of the health issues that come from zero gravity

Being part of a space program.

zero-G see the Earth from orbit help colonize space

A controlled environment, hopefully with a stable government / political system that respects personal freedoms.

Living in my adolescent dream environment as described by Heinlein, Asimov and Clarke, among others. I am assuming a free, independent, conservative democratic republic.

actually achieve the goal of leaving Earth orbit, living and working in space, and possibly gradually become part of an infrastructure that includes colonizing the solar system.

zero gravity activities; potential ability to explore and learn in detail the physical aspects of the space; chance to participate in the management of the society

Microgravity available but 1G basic. The views.

getting away from Earth

none

Living in Space. Being on the cutting edge of space settlement.

This is an early habitat design that is the most realistic of all the designs.

Nice view. Easy on the asthma.

From what I have heard it seems like a viable near self sustaining colony. Being a part of the first wave of space settlers appeals to my adventurous side. Also it is close enough that it may be economically feasible to take trips/return to Earth to visit people (unlike a Mars colony where for most people it would be a one way trip - even if Musk gets his Colonial Transporters scaling economically).

Living in space, being a pioneer for the next step of human history and evolution.

low gravity

zero G activities/sports, system operation and sustainability, exterior walks, earth observation, observation and participation on how social org would work, alternate social organizations, alternate living and personal environments

The views of the earth would be beautiful and interesting. The experience of learning to live and help sustain Kalpana Two would be unique in history. It would be special to be a pioneer in this endeavor.

The experiment itself is intriguing, but there are a mass of social problems that would arise.

It is in space

Zero gravity sports.

Open space, clean

It's unique cylindrical design which produces artificial gravity.

The views from portholes. Novelty. A brave experiment in many senses.

The challenges of relational living within a confined area ...

pioneering, sense of community

Being part of a pioneering community. Being the first to live permanently in a space station. Expanding humanity's footprint past the earth. Preserving our culture.

the view ..

The social aspects.

Working at space doc or aboard shipover

The idea of being an early adopter in humanity's migration to outer space is nothing short of a holy endeavour. I want the technology that is born from this initiative to not only provide homes for millions in orbit, but also to provide true sustainable habitation on the planetside. Earth's environment will benefit from the advances in materials engineering, pollution management, resource utilization and recycling, arable surfaces, and many other disciplines needed for a space colony. Surface habitation of other worlds will be made possible as well.

Off planet

Seeing the Earth from so high up, living in a colony away from the issues of the planet below

Novelty

I could devote my life completely to research in the most isolated place available with a swift internet connection.

Participate in developing real space culture. Interest in making sure the space frontier is more equitable than previous frontiers

It'll show that human can survive beyond the earth. Also it'll be one of the biggest breakthrough in the history of mankind. I love all the aspects of Kalpana two. This is awesome. And I'll do whatever I can do to help in this project. I'm ready to spend my whole life for it.

A view of Earth

Participating in a project to develop the future of humanity, putting my knowledge towards creating something awesome.

being a forerunner/explorer in a new frontier

Live in space. I hope to go on moon before dying.

Space walks and Zero Gravity

Adventure

It's never been done before

Living with like minded people to maintain a complex life-machine for the benefit of all.

living in space and not on the earth. so much to do up there and build and explore! a hole new industrie and and way of living that we have never seen before awaits us. there would be great oportunity. there is no reason that we cant do this!

clean air and clean water and knowledgeable people and a high tech environment and controlled temperature free from storms and natural disasters and dis comfort and living with a more academic mind and financial security and closer opportunities to explore and contact the unknown

New, unique, futuristic, free from bad things on earth, eg., neighbours, bad roads, extreme weather. It would need to be free from political and religious extremism.

Clean air and food, no wars or any violence because no weapons would be allowed inside Kalpana Two.

Finding out new solutions to being able to create sustainable life in space, advancement of civilization, alternative community

Возможность оказаться в невесомости.

The being independent part is really exciting that how the place will have its own governing rules and the futuristic part is also exciting

Most attractive aspect would be the idea of living on a space station

living in space, proximity to earth

The ability to live in space

Gravity and green space

A chance to be part of something new.

Open spaces with green as opposed to cramped metal walls.

A community of people with a similar interest and goals. I want to be apart of the effort to expand what is possible for the human race in sustainability and impact to our home planet. The idea of creating a space specific to supporting human life, and not reforming earthen landscapes is what I believe should be a major focus of all communities/governments.

Being a part of a community.

Living in space

views of space and earth

Kalpana Two will have Earth-normal artificial gravity on the inside of the hull and zero-gravity in the middle, where you can literally fly. Space walks outside the settlement may also be popular.

Space pioneering, testing new systems, innovating new systems.

1 hr trip from ground above

The advancement of space technology and exploration.

Being part of a small, select community living in space

Fulfilling Man's Destiny.

Experiences like no other: the view, microgravity along the axis. Opportunities like no other: a few km/s to anywhere in cis-lunar space.

The view, zero gravity, living in space, building a new society

Helping to move humanity into space.

The idea of living in a sustainable, peaceful settlement seems like a great chance at utopia, if it ever came to fruition.

Small community, sounds peaceful.

Customizability

There are several: the ability to be in a low gravity environment part of the time, reducing physical strain; a small town atmosphere; the views; contributing to the success of the colony.

Being a part of our future in space..

The lessons learned from such a settlement would be directly transferable to habitats in other places, whether in higher orbit or even outside the Earth-Moon area. The entire area between the orbits of Venus and Mars is open for such habitats, and as population grows (particularly if practical rejuvenation technologies become reality) that space will become valuable real estate.

Zero gravity, the view, the stars, the technology, the science

Self-governance, self-reliance, zero G, being the first space colony

Any, all.

Internet access, meaningful work for the advancement of society. Optional Zero-G.

off planet, full gravity plus zero g, science

Being a "pioneer" in space colonization, even on a small level.

1. The amazing view of Earth. 2. Space walks. 3. Controlled population size. 4. Close to Earth and yet away from the chaos that dominates the planet. 5. The unprecedented control residents will have upon their life style. 6. What about voyages to the moon?

1 hr trip from ground above

Views of Earth; having artificial gravity, but ability to have zero-G experience; being part of the effort to move humans out to settle space, including development of the required technologies; outdoor environment similar to Earth (grass, trees, ponds, etc.); community experience could be enjoyable (like a small town); it would be a very unique experience

Isolation from earth problems, proximity to great wealth (asteroid mining, exploration), development of self sustaining ecosystems.

Being part of the forward momentum of humanity, helping humanity learn to live in space, which we could do till the end of the universe as opposed to remaining on Earth, which will eventually fail.

Being at the beginning of humanity's eventual interstellar travel .

Future technology

Learning how to sustain an ecosystem in space.

Starting a fresh part of society, views of earth and space, being the first to do it, working their to keep it running

Space

Exotic location

Terrarium

Living and working in space

You literally live in space, that's the best of all!

The feeling of being in space itself

Living in a settlement comprised of the most modern technologies, with the possibility to travel to destinations beyond Earth from there.

Insuring human preservation

This would be like getting to visit Rama for myself. But easier. And ours.

The cylindrical design with artificial gravity

The idea of opening up new frontiers and placing a bridgehead for the construction of more such habitats. The opportunity of a real development of biospheres. The more such colonies exist, better possibilities of biological cross-fertilization between them arise in a path to future independence from Earth.

The view, access to zero-g.

Being able yo create a lifestyle that would suite me in ways that it cant be achieved on the earth. Being a science enthusiast, I would love the new kind of space based experiments that could be made a part of this settlement. Then there are variable gravity aspects like games, sports and recreation. The idea is whole lot exciting to me.

Presumably I would be employed in a job directly advancing space development. Once in LEO you're halfway to anywhere - the option of moving beyond Earth/Moon would always be there.

Just being in space, the micro gravity areas, possible space walks, advancing human presence in space.

Having full gravity. As an ER doc, my biggest concerns for humankind becoming a truly space-faring in multiplanet species are the physiological effects of low and micro-gravity.

Doing something few others have done.

The ability to greatly impact my community

Adventure.

The potential for continuing the human race in space should our home planet become uninhabitable. The ability to live in an environment designed to best suits our needs.

Weightlessness, access to orbit.

Being able to experience zero-g. Growing all of our own food, and choosing how we will live. And its in freaking space! How cool isnt that?!

Experiencing life in orbit, view of earth.

IT'S IN SPACE.

Clean controlled & incredible view of Earth's beauty environment! Development of Space & NO Druggies, gangs, left wing elitists

The views of Earth, controlled weather environment, no wars.

Self sufficiency

The pioneering aspect of settlement in space

Simply living in giant tube... It reminds me of great times with Neuromancer and Starlight.

To become a pioneer of spacenoid.

The chance to be part of something completely new. The wonderful views. Having a significant say in the running of society. Hopefully like-minded people.

I see it as the future of human kind ... And i'd love to be one of the pioneers ...

Something new, being able to have that view along with space walks. Not to mention the research that can be done.

go in space do work

New community, control over environment, technological marvels

Honestly, I wouldn't be willing to do it unless it was for a defined scientific mission. If this is about recreational travel, I haven't given up on Earth, yet. That said, I would have to know more.

Pure,controlled Environment;Spectacular views of our location in the Universe and a real sense of awe and wonder every moment at the achievements of the human species.

Being around like minded people, The range of different gravity I could experience

View of earth from there, Clean environment, flying like a bird in space, and mostly no war.

Living in a bootstraps human space colony, establishing permanent off-world civilisation.

Security

Living in space with a great view on earth

The futuristic design and amount of green vegetation.

Self sustaining with jobs towell, maintain the operation running

Living in space

It's in space!

Recreational Facilities like Space-Walk and other space oriented games.

The views -- of space and Earth. The opportunity to live in and the challenge of maintaining my artificial environment.

humans next step for evolution .

Creating a permanent hold in space and creating a new economy

The variable gravity, the varied plant life, and the view of Earth. My husband is also a space enthusiast; I assume he'd want to come, if it's only one year. The income level below is for both of us. I don't know how much he'd want to spend on 1 year in space.

I would visit and setting up a place where I can see space. Be nice for a visit. Not sure about living there. I like open skies.

green and refresh air

The views of Earth, Luna, and the galaxy, from orbit. The option to have fun and games in Low/er gravity.

Adventure and meeting unique people.

Being "outdoors."

Space exploration

Helping bring the dreams of science fiction fans and space enthusiasts to fruition.

It's in space! I have always wanted to go to space. Plus the simulated gravity with microgravity sounds amazing.

How it will be in orbit, the pinnacle of technology once it is operational, the control residents will have, and of course the view!

Space Exploration and development, going on space walks,

The possibility to explore space beyond the station

I want to get off Rock of Origin.

Impression of Total control

Because it would imply the first serious step in space exploration. I love the concept of Rama.

Grass and trees inside Kalpana and having a window to view outside of Kalpana.

It would be a first step into colonizing space.

The views. The possibility of trying weightlessness. Being part of expanding the scope of human habitation.

Space. Everything Space. And the Engineering aspects. I'm a mechanical engineering student who lives, loves, breathes, and daydreams of all things related to space and space technology and engineering. So I'd be happy to dedicate my entire life to the maintenance, research, and further development of a space settlement.

Pioneering the future.

I've always felt the need to live in space. It's where we will survive for many more generations than we would on Earth.

All!

Being able to fulfil my dream of living in space.

The experience of seeing the earth, space, the sense of freedom from the ties of living on our planet

High population density with large open Wide open green spaces.

Living in space. Experiencing rotational gravity. Trying something ground-breaking. Learning how to make it work.

Living and working in space. Easy access to space for research and extraterrestrial travel.

The chance to explore space and be part of moving humanity forward.

Opportunity to serve as a construction base for deep space settlement and exploration.

Roomy, beautiful, potential for zero gravity based activities in station core.

Living and working in space.

The idea of living away from Earth, but also the idea that I would have a measurable contribution to my neighbors.

The novel series Ringworld by Larry Niven.

The opportunity to begin building an off-planet civilization The opportunity to explore the universe from outside the atmosphere

It's unique !

The fact that it's in space and presents opportunities for unprecedented technological advancements.

The opportunity to contribute to humanity and science.

I would view living there as an adventure, a vacation. It would be interesting also to see how many months it would take before it felt like home. I'm interested in physical aspects such as experiencing rotational gravity, flying in the air, viewing space and Earth and doing nearby space walks.

Getting humans off earth

Microgravity

Space and adventure

Free energy

space station wheel big 10,000 12,000 people living .

Off earth

Space.

The science of it all.

The ability to live on a space station and the new hobbies that will be invented. Plus the prospect of being a pioneer is never a negative.

Being part of a plan to help expand life from the biosphere of Earth out into space.

It's space

The aspect that Kalpana Two would be its own community. I think I would love the small town aspect where I know everyone and everyone knows me. I would also love having the access to zero gravity and space walks.

Utopia by design. Common/complimentary interests, healthy lifestyle, nature,

Having access to space to design and develop other space stations.

I'd like the unique experience of living in an environment unlike any on earth, and maybe even contributing to the development of processes which could be applied as humanity moves further away from our home planet.

The different lifestyle.

Living in space is extremely cool and something I didn't think would ever be discussed this seriously in my lifetime. The stuff of films!

Having alternative long-term insurance for continuity of the human species; low gravity as a choice for elders; just like innovation.

Being a part of a space city just sounds like fun, an adventure, and interesting. The reasons anyone would go wouldn't be much different than anyone who wanted a chance to go up in the space shuttle in the 80's. A city would be this same experience times 100. I like the novelty of being in a controlled safe environment, and pioneering a new type of society. How would this work? What would I do all day? How would I contribute? What would it feel like to see the earth underneath me everyday? Would this feel like home or just an escape? Who knows, but why not try? I also imagine there would a certain amount of freedom, education and cutting edge technology to learn about as well.

Id relocate my company headquarters there and have Kalpana 2 as a launching point since delta v would be very low.

The scale and general design considerations seem fairly well thought out.

The notion. If it were O'Neill size, I might be interested. I understand the budget isn't there for anything that big.

It's a cool concept

Being creative to advance the species and our space future.

It's something new and different. As a space settlement researcher, mainly specialising in Mars, it would offer many opportunities to learn about space habitats, life support, environment control, human factors and so on.

The Open environment as seen in the pictures, artificial gravity and living and working with like minded people.

I like the Whole Idea of living in space, it is the future. Why wait lets make the future happen now.

Escaping collectivist governments on Earth and access to the solar system.

Close enough to have real-time communications, access Zero-Gravity, and the view.

None, personally, I'm a huge fan of the notion of rotating habitats but I personally don't even like air travel :)

Being part of humanity's expansion into space.

The ability to experiment with the condition of the ecosystem without too much risk to the Earth.

Being able to view the earth from space. That alone would be worth both the risk and an entire life savings... Self sustainability is also attractive, I would enjoy being around plants maintaining food gardens and other resources to keep the settlement alive.

Far from Earth International community. No wars? Doorstep to Cosmos Infinite Cosmic exploration

Trees, grass, water, light, temperature control, radiation control, clean air, recreation, access to healthful food,

water as clean as from earth's springs, access to the best medical care, I could go on...

Space view, small community, tranquility, zero-G activities, potential for biomedical research, being part of something bigger (first space colonisation on a relatively large scale)

Living the future, low gravity.

Living in space.

The romance of the frontier, the potential to have interesting work. I'm from a small town, and tight communities are good.

self sufficient society

Space

Pleasant, secure, clean environment; and a place on the new frontier.

External view, somewhere to maybe 'tour' other places - staging post to Mars maybe.

Pioneering something that could become commonplace, as well as just the idea of living in space!

The adventure. The community.

I like the pioneer aspect to it. I like solving problems that have never been tackled before.

Living in space!

the idea of being in space and having that perspective on earth + the idea of living in collectively

the adventure

It's different.

next step to full sized

Working together with a small community to make ends meet and be self sufficient.

The sense of community. Caring for one another. Liberty.

How it is possible to experinece something that seeems to be unreal

Trying something new. Living differently to how we have become accustomed. Starting the Space Renaissance! Also, as an arboriculturist, seeing how/if plants grow and adapting growing practices to suit.

Nothing!!! SPACE IS TERRIFYING!!!!!!

Views

Views of space

The adventure of living in space; being one of the first to blaze the path to something new.

The idea of having an additional place to live and the fact that science has advanced this dramatically is attractive.

The ability to travel between earth and space. The first question is not applicable to me. I have raised my kids and would consider this a retirement option.

Depends on if it is a waypoint for further exploration, but if so, then that is a key point. The others are the ability to start over societally, maybe taking a more liberty-based path.

Novelty. Adventure. Part of the ultimate growth economy.

It's in space. It's going to this small close-knit community surviving together in a hostile environment. I think this is going to make for a collaborative community, sort of like a college campus or Israeli Kibbutz. It will hopefully be the first of many.

The fact that we can control our lives is the most attractive. It would be really great to have a control over the weather cycle! On the contrary to what we have on earth, where we are like slaves in the hands of nature, in Kalpana 2 we will have control over everything. So it would be really a great experience.

Live in space, it's like a dream ! Also share with others peoples who will live there, because they probably would be space enthusiasts.

living with others who are at forefront of space settlement

living in space

Space walks, seeing earth from above, self-governing society, a "new beginning" atmosphere.

The view and hopefully, health improvements..

The chance to be a pioneer in space based living. The chance to assess and recommend changes to such a settlement, in order to be in a 'hands on' position to offer changes.

Living in space! Actively participating in the expansion of humanity into new frontiers.

Having fun with flying is an obvious answer but I also find the idea of having both Earth-like artificial gravity AND zero gravity is just amazing since zero gravity would be annoying in many situations.

Space.

Clean fresh

Not for me too old

The idea, furthering human presence off-planet. Any hesitation is from wondering how one has views of Earth from this habitat. If it requires spacewalks, that's a drawback.

That the people who get to live there are sophisticated and now what they are doing. (Because if they can process a life in space and pay to do so then is because they have an open mind and education)

The new lifestyle, the benefits of living in space, it is necessary to recycle, it is made so that we can adapt to it because it is similar to earth.

Gaining a new view on life on earth. Differential in gravity. Exploring the unknown.

Clean, tidy, intimate public space. Implicit high degree of civic amity and cooperation. Easy access to microgravity. Halfway to anywhere in the Solar System.

It's like a sci fi movie

The greenery, and the lake. The amount of light, and open space is very appealing.

Using the internet and being able to communicate with people on earth. Being close to earth and the possibility of returning there.

That it's in space! I've always wanted to be an astronaut. Also, I think that getting humanity off this planet and out into space is probably the most important thing we can be working on right now, and I would be thrilled to be a part of that.

The futuristic aspects. The beginning of a new era.

The view and the option to switch between 0g and 1g at leisure

Besides living in space? Being able to help build a new society for everyone.

Being in space! Also, helping prove it can be done for future generations.

The intellectual evergreening of the ongoing space science research and thought leadership via interactive communications plus the variety of locales for quiet reflection, relaxation, exercise, space and zero-gravity activities, regular-gravity activities and community.

If the designers and leaders appear to have grabbed the pretty picture parts of Gerard K. O'Neill's and The Space Studies Institute's decades of real work.. Pretty goes far in catching the eye and, thankfully, research has been done to prove that the pretty pictures are possible realities.

Living in an isolated community with the unprecedented potential for the common man to influence the conditions of his or her living and social/community relationship. Such isolation could be fundamental for the progression of creative and cultural advancements otherwise not possible in the established national norms here on the surface of earth.

To be a part of the initial permanent expansion fo humanity beyond the Earth.

That is in space.

Proximity to like-minded people and space related activities and events. Fail-safe protection from solar events. Easier evacuation in an emergency.

weight lower germ and spores etc sxclusion

developing Humanity's future in space

Participating in the proof of concept.

full integration into Earth's economy and communication systems, Kalpana Two will have Earth-normal artificial gravity on the inside of the hull and zero-gravity in the middle, where you can literally fly. Space walks outside the settlement may also be popular. plenty of work in Kalpana Two (pl spell it as too).

the view

The idea of helping to develop human expansion into space.

I've always wanted to go to space and by living in the Kalpana Two i'd accomplish that dream.

Areas with less than Earth normal gravity Chance to expand our knowledge

having greenery around me with out pollution

1. Zero gravity area 2. Relation between a small group creating a strong bond of family and friendship

Living in a novel environment.

Just the idea of living in space is attractive and exciting. The prospect of starting life a new in space is a very attractive idea.

The views, the variable gravity (think of the sports!) and the chance to be on the leading edge of humanity's expansion into space.

Flying, being in space, ability to control the environment

Frontier

The hope to survive for instance mankinds decrease in worldwide epidemics, nuclear war and so on!

The view

Beeing able to actually live in space.

Looking at earth

It's similar to what I have been thinking about on my own. Coincident thought processes are always very attractive.

nice conditions

Easy access to space, thus easy asteroid mining and -processing. Full responsibility for the ecosphere with short impact-cycles. Lessons to be learned for multi-generation ships or settlements on other planets in isolated habitats. Forerunner of larger space habitats.

Feeling like a pioneer, living with like minded people.

Space!

the opportunity of living in space

Space walks

Living independently from earth.

The idyllic scenery. The open air and earth-sky feel to the ambience.

Being in a completely controlled environment, where we can live without harming earth.

Working in orbit

Zero gravity. Good living conditions. Proximity to Earth.

The adventure, excitement, thrill of discovery. For me though, it would be an amazing vacation/learning experience.

Educational aspects

The view of the Earth and to be part of moving beyond it.

Space pioneering

innovation, status, the whole jostons-live-in-space thing

Being in space would be awesome! Being able to control some things, like the weather.

space settlement

Being able to have weekend trips to the zero-g area in the centre of the structure.

Pioneering

Nice clean environment, experience outer space

Proximity To Earth Green Innovation A scientific society that indulges itself in promoting human life across the cosmos

zero gravity enviroment

Flying!!! Space Walks!!! Seeing Earth from outside, EVERYTHING!!!

That its in space mostly

The simulated natural beauty. Biotopes with canals winding through the jungle along with a Tahitian wave tank and bar.

Living in space would be awesome! So would the view of Earth!!

Vacation, sebatical, research, experience (flying, Earth observation). I would want to return to mother Earth.

Living in technical world

The self sufficiency and the promise of more settling of space.

Futuristic and compact

spacewalks, breathtaking views of earth, shuttle rides to moon, growing food in space, 0 g,

The photos are beautiful and I love trying new things. I just think it would be something amazing.

It is the future and possible step forward.

Something different

Proactive planning, lack of crime, utopian society

Living in space.

Zero gravity for entertainment purposes. Proximity to the Moon for a potential fly-by flight. The work on the station might be meaningful and interesting if it involves manufacturing and repairing robotic exploration and mining ships.

Living in space and living is something very different

The location, being in orbit.

new experience and the view

The biology

Inventing the future

zero-G leisure prospects, perfect climate/weather

Obviously, the adventure and excitement of living in space is attractive. Also, the communal and self-sufficient aspect is attractive, as are the conceptual pictures.

Being in space, experience zero gravity

Living in/on another structure in space (one notes that Earth is a structure in space). Pushing the boundaries. Doing something new.

Close to Earth, but "halfway" to anywhere in the solar system. A benign, controlled environment, much easier to live in than planetary surfaces such as Moon or Mars (but this has negative aspect, per next remark).

Being a pioneer

It's in space

I would like to be able to help build a community, a place to live and have all the ability to be a part of something ground breaking and innovative.

Hell, it's the final frontier (a close one, but for now the final one ;)

Zero Gravity Center, available sunshine for growing plants.

As part of Kalpana Two, the detail that piques my interest the most is being able to contribute constantly to the ever evolving research that will occur this new, unique & exciting environment. As I'm one for being comfortable with doing nano research, to flight research, and even some hands on forge work I would be fine with working for extended periods of time in LEO. The amounts of careers necessary to allow for Kalpana two are endless, as are the possibilities of working a career on the colony. It would become a floating wonder of the world, a place where extensive study of effects of micro-gravity can be observed in a large population of other colonists/live-ins. Such a large population group could provide the necessary data for solving the issue of humans in zero-gravity and long duration space travel. Imagine the amount of data. If placed properly, large telescopes could be placed on the dark side of Kalpana Two for further study on potential Earth-like Exo-Planets for future generations to send satellites or

even colonies similar to Kalpana Two. The first Terran Spaceship Port in the history of mankind, a milestone for future cosmonauts to aspire to build upon or reach in grade school and well throughout their college years. LEO - Kalpana Two University.

controlled weather, people self-selected to live like that -

Being one of the first people in history to permanently live off-world. Participating, even in a small way, in the science and engineering of it all.

artificial gravity; pioneering social structures to manage towns/society at that small yet whole scale.

View of earth. Sub zero flying. Spacewalks. Trying a new concept and see how it goes.

Restarting the broken socio-political demographic set we're given with a group of like-minded peers.

It is off planet

The views, the trees (and all green)

Zero gravity recreation, weather, amazing views of earth and the stars, telescope deep-sky object hunting & stargazing, access to our solar system like no other, botany opportunities, pollution free air, a slower lifestyle yet busy and truly rewarding.

off planet - selective population

The views and living in space yet being in a somewhat earth like environment.

Controlled environment, selected population,

Independence from the Earth Sphere. A chance to reprioritize culture around more real world values. An opportunity to be a part of the very beginning of the greatest step of evolution since multicellular life: leaving the biosphere. Economic opportunities of being involved in orbital Industry, space mining and resource development.

The general test of how cylinder shaped living space in Earths orbit would perform for future builds of similar kind.

Being part of the initial spread of life out from Earth.

The possibility to move easier then now, the perspective of realizing scientific experiments, the filling that I am an exponent of the mankind and the possibility to excite my students to do the same thing.

A work to learn and research of living in the space. A functional living system, that in case of war or danger on earth, the crew can survive

Live in space

Living in space, being free of the Earth and all of the conflict here, plus the vulnerability to global pandemics and other dangerous threats.

The social experience and challenge.

Refuge from terrestrial oligarchs.

Reduced gravity when sleeping since arthritis is hard to ignore then it seems. Maybe put the sleeping quarters on an upper level.

The knowledge that one would be furthering humanity's colonisation of space.

Being a pioneer and seeing the universe

The adventure of it.

Free fall and views of earth

Participating in the spread of life in the universe.

Weather, unique job opportunity?

The excitement of taking part in and contributing to a revolutionary experiment in human habitation. I am retired so like the prospects of a safe comfortable home with low g access in case of increasing infirmity.

LOW GRAVITY AREAS

Spectacular views

It being a space settlement.

The view of the Earth

Living in outer space.

New experience to live in an artificial environment. Completely engineered environment.

The view would be nice.

The view. The opportunity to pioneer a new lifestyle.

Space

No pollution, organic food, NO GUNS AND PEACE? if none of that exist what is the use of it?

Starting a community not making the same mistakes we face now on earth.

Gardens, farming, landscapes, amusements (astronomical observatory, trips to other spaceships, moon or far away, laboratorium of practises for students, university campus, etc), social activities for integration of every people.

just trying something new

A clean, hopefully crime-free, safe place to live

If one space habitat can be economically built and inhabited, so can many. I should enjoy life in a space habitat with climate control and access to microgravity, and building more and larger to move into. This is why I checked 'five years': the question seemed to be 'would I like to live in one space habitat - and that's it - for a certain length of time or the rest of my life'. In a bigger habitat, or beginning in a small one, I should like to spend the rest of my life.

The chance to be at the forefront of man's expansion into space.

the possibility of living on the space, and This type of structure allows many people to reach for example mars leading an almost normal life until it reaches the orbit of the Red Planet , then going to reduce the impact on the physical and psychological stress of astronauts who have to otherwise spend most of their time at ' interior of small modules of space exploration

living over the Earth

that it is in space

Creating a new ecology.

Controllable weather Spacewalks

Space!

Space, New type of society Technology

The environment and the feeling to live in space

The idea of being in space itself.

It's something different from what i'm used to.

Advancing tech to ensure Humans journey into Space.

It look nice and I believe the air would be pure there. I looks like a cocoon.

The performant technology

Living the life above

The unique experience, the chance to concretely further spacetravel

Something different. Pioneer.

to encounter, work and apply microgravity; to help enable new space activities and applications; performing space research in space

The view, how to live together and manage life, EVA, to be one of the first humans who is able to live like this

It's Space !!

The 'new paradigm setting' opportunity

Space activity and the opportunity to contribute to scientific discoveries and industrial growth in the outer space.

Living on a space ship. Observing celestial objects from orbit

Spacewalks, weightlessness, the view.

Being in space. Human powered "flight" recreation in center.

One aspect would be dealing with the challenges of doing it for the first time. Another would be simply living that close to the frontier.

The location, the innovation, the view, the challenge, the fact that ghis is just the kind of things humanity needs as we progress into the future, and it would have been a dream come true.

living with a community of smart people, in a high tech environment, and the ability to experience zero g on a regular basis

Open greenbelts and running water. Optimizing these better than maximizing population density, especially for long-term habitation

Park like setting, Space

I've dreamed about it since I listened to Dr. Gerard O'Neill talk about it when I was a child.

control of weather , possibly see the earth from afar .

Living in Space, and being apart of the future.

The beautiful design, the description of independence, plenty of work, the views.

living in space

Space

The view, hopefully a lot simpler life.

Its in space.

living in space...

Controlled environmental conditions

Freedom from pollution and noise great view flying!

low crime levels

Space.

Artificial Gravity and Vistas.

Access to zero gee recreation, challenge of engineering the biosphere

Access to space.

Space, the final frontier.

Beauty

looks cool, 3-D

Size, and distance from Earth

The opportunity to live in space and help blaze a new intergalactic trail for mankind.

beginnings of leaving earth b4 phuced

first off, let me say that the population would depend on my duration. 500 others on board would be great for a few months. and acceptable for a few years, but not ideal. but if it's a good chunk of the rest of my life, then 10K or more would be best. the most attractive aspects... living in a beautifully designed piece of architecture, but also being a pioneer, working on a meaningful project, would give us purpose.

Space living. Alternative fpor living in a place outside Earth. Earth and space views

Most attractive to me are the size of the settlement and the access to space.

being in space, experiencing 0-gravity, and seeing Earth from orbit

work activities and contribution to space development

The development and maturation of microgravity construction methods

High-tech modern living and support of space-based civilization.

Adventurous souls all in one place soundslike good company.

To live in a community of like-minded individuals, all whom appreciate the work being done by living there and how important it would be to furthering human endeavors in space. Plus the view wouldn't be too bad, either.

being on the space frontier

A chance to be part of something new and exciting. To be able to contribute my knowledge.

The ability to fly! and living with like-minded people, being an integral part of our future in space!

Living in space.

The zero gravity, space walks, views of the Earth, and the upwards curve on the horizon.

It's the first thing of the cause. But it'd be gorgeous. An experience.

Pioneering; exploration; contribution; and micro g floating, of course!

City planning

climate control, access to Space, the view

Living in space!

Living in outer space. Working with others towards a common goal. Simply seeing a dream of mine (space settlement) come true, and actually living on it.

Clement weather, Attractive environment

SPACE, adventure, advancing the species, beauty, 3D printing for local manufacturing

Seeing Earth from above and also viewing stars.

Access to the rest of the Solar System. Fuel from asteroids will be cheap - it may be costly to visit Earth, but the Moon and Mars and all the rest would be easy - in fact why not design Kalpana Two with the possibility for engines attached and take the whole thing for a ride. I think Kalpana One moved to the Saturnian system, no? I like the controlled environment a lot. It really facilitates the other big attraction and that is the community that would develop here; open - welcoming - and inclusive. More so the idea behind intentional communities. I think big cities and the suburbs are failures. Neither fill the need mankind has for community. As futuristic as Kalpana Two may sound - it really is a throwback to the Village or even tribal culture in many ways.

_-

Business opportunities. Spectacular view. Artificial Gravity. EVAs.

The unknown is always enticing.

Space citizen part

don't know

The chance to re-create society

Living and working in a settlement. Having the freedom of viewing Earth and traveling back and forth to it. The varying gravity options and spectacular views. The vast beauty of the settlement's living environment.

The chance to create a completely new society free from entrenched societal norms, religion, taboos and stupid people.

The view of Earth, zero-gravity, and the chance to go on "space walks"

Being the first at something.

I'm older so it would be a new adventure. I would want to be involved with growing food and was a nurse so could possibly contribute that way.

Finding my soul mate

Beautiful view, small town, secure environment, access to variable gravity.

Living in space.

Novelty; community/social aspects of the group; scientific experimentation; unique athletics

I would view it as a special, pilot experience to help contribute to future space habitat design and culture development. The lifestyle emphasis for me may be research and scientific curiosity.

Control of pollutants and clean living. Being able to see earth. Would we have a light-pollution-free view of the stars? I guess probably not. Oh the gravity-free center sounds pretty awesome. And if the cultural norms were that we worked less, like 20 hrs/week, had free healthcare, etc.--the benefits might really add up. It's easy to start imagining some kind of society utopia (like Sweden, but way better!) but I wouldn't trust things to go smoothly on the first go.

Space!!!

Just being in space, mostly.

technical challenges

Being in space and new experiences

Being on the forefront of human expansion into space

The aspect of being the first to participate in a new venture. Working on issues that would arise on Kalpana Two.

small group of people closed community

living a dream

The view of the Earth

Space!

Being part of the future of spacefaring humanity.

being a pioneer, independence from Earth , creating organic gardening concepts for independent and healthy living, opportunity to do research,science in micro gravity, as well as the fun aspects and benefits of aging in space

Access to low gravity activities. Access to space walks. Recycling and repair engineering challenges.

I've always wanted to live in an O'Neil Cylinder. I want to prove that Man can live on more than just Earth.

new challenge

Space travel

Living in a new frontier, being an active part of testing new technology

Intimacy, cleanliness, access to zero-g and to space.

Being in space. Being on a new frontier.

Different place. knowledge of alloys and ideas of how things should work in space,

Access to Low Earth orbit for the purposes of scientific studies on social behavior.

Aesthetics. Design.

Space

small size, unique activities, radical, away from Earth. Tours to Moon & Mars by then worldwide population selected
Our world in space but we can leave when we want to explore.

Its in space.

It's living in Space!

Peace and independence

Constant temperature and pressure, everyone 'invested' in the habitat as it is a matter of survival, sense of community. Would appreciate a higher G environment for exercise and a lower G environment as one ages.

The view of Earth Being part of history

It is something new. I think it is important to move in this direction.

Pioneering, types of possible activities, views, awesomeness, endeavour-like characteristics. It's just awesome

The opportunity to do good work in space and help make humanity a true space civilization. Also stunning views of the Earth would be nice.

Escape 1 G, and terrestrial diseases, to maybe live longer. Pioneering new options for humans that might survive a giant asteroid collision, global thermonuclear war or other dooms day catastrophes.

NA

Independence, expanding the human presence, no war, no pollution, limited risk of disease

looks attractive, view of earth

Very little

It's in space!

Take care of growing plants

How attractive all the green is. It seems it would be quiet. Right now I am suffering through the destruction of the entertainment center in my modular home park. Get the picture.

In a space station, the mechanical engineer is king

Solitude

New civilization. Controlled population.

Exploration

Living in space is a great step for mankind and being one of the first settlers is a great opportunity, and seeing the splendore of Earth in real time would be great

far from earth

the adventure of it

Being able to experience beautiful vistas of Earth, being able to play in 0g and being able to go into space.

Turning the Solar System into the new Earth. One step at a time.

Aside from living at the bottom of the ocean, it is perhaps the most unique real estate in existence.

view

It's living - in space. It provides an opportunity to research and learn how to build and maintain a mostly closed biosphere. This knowledge will enable mankind to take further steps towards expanding beyond Earth.

Being part of the progression towards the next stage of humanity when we are a true space faring civilisation.

Being in space. Living in a controlled environment.

Outlook on Earth from my bedroom, being able to work in silence and in peace, very little rain, or at least controlled weather environment. :) A radical change from live on Earth, it might feel as a release even if its more confined.

Space!

The appeal of visiting space.

The variable gravity!

Artificial nature

Help expand mankind beyond limits of Earth. Be part of a new and unique government and economic system.

The ability to have the space experience / perspective while residing in a livable environment.

Living in space, starting new, building a future for society.

The adventure/experience of living in space.

Alternative gravity levels. Views of earth. Clean environment. Close enough to earth to return on short notice if you had to.

opportunity for low gravity and space walk

Being in space. Sustainability

Pioneering a new frontier

The pioneering aspect of it. How to make things work in such an environment.

Pioneering. Helping to make space settlement a reality. Labor pool on orbit to change economics of doing things in space.

Availability of earth normal gravity

the ability to do microgravity experiments

being in space

A new experience

Seeing the view of earth from space.

running upside down

Adventure.

Variable gravity; contribution to extraterrestrial development.

The opportunity to do long term space science and develop real working technosocial systems.

Adventure. Freedom.

First and foremost, we need to get to the Moon and settle that. Much of the mining and resource processing can be done there. Those developments and the resources can be made and much easier to get into space from the moon than the deep gravity well of the earth. New materials and materials processing and production can be done easier in the shallow well of the moon and ore, product, and materials can be launched from the surface with a solar powered mass driver catapult. Low atmosphere surface agriculture can be used to grow food to the point that it can be exported back to earth and the rest of the settled colonies.

Interesting experiment

It's the future

The water and grass

Easy access to zero G and orbit. From orbit one is half way to anywhere, so lunar trips are viable, etc. Also, let's face it... The view is out of this world :)

I would like to visit, not live there.

Reconstructed Biomes, and Space

Views of Earth

Microgravity, the views of space and Earth from orbit, being part of a new and unique society

It's not Earth.

witnessing and being part of a possibly totally new way of living

Access to 0-G. Being part of a new frontier movement.

The view!

Opportunity to be a 'pioneer"

Being among the first organizations with a headquarters in a space settlement like Kalpana Two. Continuing my research and enabling further expansion from there. I'd likely be traveling beyond the Settlement and returning there as my home. in the 2040s timeframe if we had the economy to support this.

Honestly - the simple fact of being in space.

spacefulness

Customized weather!

Something new and intimate

Q13 - What aspects of living in Kalpana Two are least attractive to you?

Terrible death if something goes very wrong with the habitat.

Expense of travel to and from earth.

Enclosed

I expect there would be a lot of media attention, a "big brother" atmosphere that I would find abhorrent.

Difficult commute to work.

Being as this would be one of the first space settlements, a lot could go wrong.

No real earth, forests, water, life, outside of controlled variance.

Greenery

i guess... i don't know yet. may be the absence of sunset and sunrise :)

Being in orbit

The cost of traveling back to Earth.

Expensive so Not reachable for basic engineers or scientists who study space. Will be ceo and celebrities types.

Being far from people who are important to me, less access to resources and luxuries

Single points of failure, will to go somewhere else (Moon, Mars...)

Seems pretty far-fetched to imagine such a place existing during our lifetime.

It probably smells if it is a captive area, possible homesickness.

Potential claustrophobia in cramped quarters

The fact that it wasn't further away from Earth and that it might rely too heavily on political, economic, social, and cultural support from Earth

Perceiving myself as at the mercy of The Designer

Dangers of solar flares/bursts and micrometeors.

Too many people

Possibly small-town nosiness, restrictions on freedom if any.

Social conflict, living/personal space, dangers of space

Space radiation

Being in space is bad for human health.

Cliques

risk of being in one of the first few operational space habitats. there's a lot to learn and the risks of catastrophic failures will be higher at the start.

The danger

none

That its in space.

Possibility of N.I.M.B.Y. attitudes overreaching into my backyard.

Lack of similarity in the space Environment preparation, Lack of feeling like earth on this small habitat, Lack of reality with real living things as like earth

Far away from family

I'm afraid of it not being big enough or not enough things to do.

1.) The diameter seems very small to achieve 1G - something more like Gerard K O'Neil's contra-rotating cylinder sizes seem more practical - but hey, gotta start small I daresay... 2.) The possible claustrophobic effects of looking at someone upside down less than a hundred yards (metres) away!

My strong ties to keeping this planet healthy and beautiful preclude thoughts of exile.

Sigh. It's always the political and theological systems of any population - that's not going to suddenly go away and i doubt there's any psychological panel that can screen out the messiahs and ideologues - those qualities seem to develop in situ. There are doers and shirkers, preachers and congregations.

The tight curvature. My eyes are hurting just from the pictures.

Potential for disaster, equipment failure.

Cost. Separation from family.

My family has already expressed that they would be unwilling to try such a thing.

Danger. What if the ship is lost?

Maybe more of a mix of landscapes: cityscape, forest, open field. From the pictures it looks mostly open field.

Size, need more information on development.

being in an enclosed settlement. My NA (1/2 Cherokee & 1/2 Choctaw) grandfather taught me and instill in me the importance of allowing your spirit to soar and be free. For NA or folks brought up in the NA culture; you cannot remain enclosed or your spirit will die. so, I can never do this because it will be like caging up an animal never allowed out.

Limited space.

Cost of transportation to and from, mobility.

lack of ability to travel back and forth to earth inexpensively

I assume that in an emergency, it would be hard to evacuate considering the only way out is through "lifeboats".

Proximity to earth.

It looks very fake, I would miss the wildness of real nature.

Not sure if I can return to visit family

everything

Not having as much space to wander or explore.

The cost

None

Cost of living

Travel/visiting might be difficult but could be solved over time with possible interstellar travel!

Inability to travel.

I assume it would be hard to fit a fully functioning higher educational facility with a good reputation there, as the best teachers might only be available through webcam, which is slightly inconvenient.

Norovirus

Distance, Evac in case of emergency stationwide, comm link to Earth gone. No food, oxygen issues, internal riots.

homesickness for Earth

Traveling back and forth. I would worry about how Kalpana would maintain its orbit.

Walking away from almost all my friends and family on Earth.

Transportation costs;

Still crowded and you are basically on a small island.

Not being with my family

It's form and population, 1000 residents looks like a pretty small amount of people to me.

I can't guess for reason.

Expense

1. You're on a space station susceptible to a lot of bad things. 2. Potential cost of traveling back to Earth 3. Not interacting with natural scenery like looking at a blue sky or going to the beach.

May be too small, Might be better located at the L1 Lagrange point which could make it the center of the cis lunar economy and a stepping off point for the rest of the solar system.

It depends. Maybe if i move there ,and my parents are still alive , i would like to bring them there with me. If i cant bring them with me , its good that i will be able to travel to and from Earth in a few hours, so i can visit my relatives and friends.

Too small. Too few people. Maybe not that much to do and there is possibly a risk of it being too "tribal".

the difficultys and dangers that it would have to involve.

Space junk that hit the station.

radiation. controlled atmosphere. the unknown.

possibly the technological problems violence of living with others

People are likely to have adjustment issues to living in a small community that might not be familiar with the culture of one.

too expensive

Possible Internet trouble s

Being far from earth, possibly not being able to get back.

None.

Feeling confined or feeling cut off from friends/family on Earth.

Concerns over safety from unpredictable events, especially for family members/dependents.

Disconnect from world, complex lifestyles

The cylindrical shape could take some getting used to. The expense may be off-putting for some.

Nowhere to go for vacation! Governmental/social problems - pure democracy? Ha! That can quickly develop into autocracy or oligarchy if there is no higher order government to squelch would-be oligarchs. Witness what often in self-governing senior citizen communities. Often you get some retired former VIP's who turn dictatorial, scrutinizing every public move of their timid neighbors and inundating them with rules, rules, rules!

Smallish footprint. I could live in a tin can for a considerable time, but if you are asking about my whole family we would need space to move around in and do things.

My wife might not want to accompany me.

That time will make living there less exciting

How would this space habitat pay for itself? What would the economy of the habitat be based on?

The only 'jumping off' point mentioned was Earth. what about the Moon, Mars, asteroids, et. cetera?

Isolation from Earth, cost of shipping goods and food, cost and logistical difficulties of traveling/vacationing elsewhere.

Lack of travel outside. Being dependent on a limited supply of air, energy, water...the essentials.

Jobs? Services?

Confinement. Lack of amenities. Risk of environmental containment failure. Ease of sabotage. Uncertainty of form of government.

Limited living space and travel options. Potential for catastrophic failure.

The loss of being connected with family and friends is a definite minus. Even though internet connection would be a possibility, it wouldn't be the same.

I don't think I would last more than a year or longer than a project. I would see a small settlement as that as a place focused on research, building craft for exploration or as a staging point for solar system travel. It would seem that it would be an ideal place to have Grad students be assigned to as part of the research or engineer sections in conjunction with companies involved with the building of craft or companies doing research. The research would be an adjunct to the types of things being done on the current space station. There would have to be a module attached to the Kalpana that would be a weighless environment as well as one to simulate the confines of a Mars vehicle. (aka the Martian or those in Zubrin and Baker.)

I'm 82 years old and don't have enough liffe let

The amount of money it would take to visit earth.

Loss of atmosphere.

Cost.

None

None

Cabin fever.

it's limited. it's designed for homebodies. good for retirees

Rotation rate of 4.03 rpm for 1 g is twice the threshold or 2 rpm beyond which to avoid Coriolis force effects on the inner ear cause problems when moving around.

Low Earth orbit is not far enough from earth. The Moon or a Lagrange Point would be better.

At the beginning I might feel a bit constrained if it happens to be too small.

Not being able to visit my family.

The expense and discomfort of getting there.

Separation from kids and grand kids, potential lack of medical help.

Expense of traveling to/from Earth

I personally do not see any unattractive aspects to living at Kalpana Two! I would love to see if it were possible for opportunities for the disabled.

would not be able to go back to Earth

radiation

Long distance running is a big part of my exercise and related mental health, so I'd want to be able to do that anywhere I lived permanently. I do not believe for a minute that the first such colonies will look anywhere that ideal and would miss being able to see 'green' living things all around me on a daily basis.

Cut off from extended family, sports activities, theater, impact on developments in the city, country and world

Job choice.

The physical size may be a bit small for the proposed population. For long term, living quarters would have to be a bit larger than those of a economy cruise ship cabin.

small size, inability to easily jump in the car and go somewhere.

Small size due to risks being more likely to have an immediate impact (fire, damage to pressure containment)

the expenses

Expense of traveling back and forth to earth.

Not being able to hunt and fish, but viewing space without this atmosphere in the way will compensate for that!

artificial gravity

The time frame that it will take to make it happen.

Always worried about safety

I consider it a "too small" in size environment for having 1000 residents. And, how many are going to be contributing to maintaining this living environment? Or, are there going to be many of these people who don't need to work? Maybe they should all apply for the "living environment" maintenance jobs first then those who qualify and get hired are the people who get to move to Kalpana Two.

Transportation will likely be an issue for sometime to come limiting trips to Earth and elsewhere. We have a lot to learn about building and maintaining ecosystems and undoubtedly will, make mistakes before we succeed in building in enough resilience into the systems that they are stable under virtually all conditions.

Darkness.

Potential separation from family and relatives, and a smaller community than what is experienced in communities on Earth.

The dependance on Earth

High travel cost

Restricted mobility, little variation in life, very likely major catastrophic events will occur.

Size. Expense.

Limited ability to go back and forth between earth & colony

The cost, though this may be a bit of an unavoidable problem right now.

Not having all the possibilities and wonders of Earth easily accessible. One is basically stuck there for the duration, however it turns out.

No sky

gravity problems?

Less attractive... I think that the fact that people will be there all the time in one same place. I would be worry about getting bored or feeling useless.

the somewhat difficulty of visiting earth, but being able to visit earth at all is a huge plus. limited medical help, there was not much mention of medical facilities and that is somewhat concerning but I'm assuming that's probably because of the limited space for this article.

Explosive decompression, radiation.

Spinning to make "gravity". #DEW #ISS #FallingBodies #GravityTest #GravityRevolution

The chance of excessive restriction of personal freedom.

Cost to be there, inability to currently travel in a timely way to and from, would be worried about overall sustainability.

Long lag times in information from Earth

Not sure yet.

The proposed size of the project. I think the habitat should be larger so that the cylinder doesn't appear so sharply curved and can also spin at a slower rate and still produce a 1 g simulated gravity.

distance from family

Small size, motion sickness?, potentially limited resources, and inability to travel back to Earth easily.

Being unable to visit family on earth. It would seem cost prohibitive to return from Earth.

how small it is (the same people everyday)

Leaving a life behind

Not begin on earth,duhh...

Size

High cost

Small size

The size and people around me it doesn't feel like a balanced society.

Physical isolation and space sickness even with gravity

The isolation it could bring.

Cannot travel to earth frequently.

Limited space and freedom.

Is the world ending?

Rarely being visited by family and friends who are not space enthusiasts.

Hull breeches and government interference

Views. Adventure. Meaningful work

The same never changing scenery and the feelings of possibly being trapped on station indefinitely in a claustrophobic kind of way.

Small space, the impossibility of going somewhere distant. The expenses.

Trump-like egotists

I like meeting new people and without significant other work challenges, seeing the same 500 faces might get old.

Don't know

Radiation

I would miss the wide open spaces on the Earth's surface and also the diverse terrestrial landscapes

The artificial gravity and the food

maybe the fact of living in a complex structure susceptible of suffer some failings can make some of the residents difficult to live with due to stress paranoia or fear

Fear of technology failing

Too few people.

Total living area is about the same as three of the world's largest cruise ships lashed together. That's enough?

Dependence on Earth-launched supply.

technical parts

The point of space exploration is exploration. I would not want to live in this colony if I cannot explore my environment.

Lacking the agency to leave the space colony without being dependent on transportation from someone else.

Exclusivity created by the high cost of moving there.

The dangers of living in space; Radiation, orbiting debris, CMEs. Aside from danger, the cost at over 50x greater than an average vacation would discourage leisure trips back to Earth.

far away from real nature

I would be concerned over composition of the crew.

The cost of visiting earth

life might become too predictable! If the community of people is too stable, no new ones, it could be stifling.

I worry about: a) The price of trips to visit family back on Earth and b) whether or not there will be equality for all residents on this settlement. I hope that it won't bring the political and religious turmoil that is found on Earth today.

Cost of traveling on vacation/access to extended family. Enough lifeboats for everyone? Tourists?

higher probability of death through habitat/ecosystem failure, stagnation of experiences and stimuli, distance from relatives and friends.

I think the system could be abused as to decide who gets to live there and who doesn't

The risk of disasters, like it is no other place to go...

Diversity

Highly dependent on technology!

May be I'll not be in contact with relatives.

Potential hard radiation risks.

Distance from help

Living in the space habitat with strangers

Primarily, the cost of moving there and the potential dangers of living in space.

Potential death. Limits of destinations perhaps.

None

Distance from family is a huge negative factor. Safety of the complex is another huge drawback. A complex like this would be incredibly difficult to build, to maintain, and to finance.

isolation, artificiality, possible malfunctions

Due to the small population I recommend that there should be multiple Kalpana 2's, to have neighbors will help ease some feelings of isolation, and promote a new space based culture. I hope that eventually we could have space-city's that range from 5000/10000, and beyond.

Being away from family and friends on earth. Feeling scared if something were ever to happen to Kalpana Two and we are stuck in space (although it would be worth it).

Missing the comforts of the natural world, like the ocean, animals and landscapes.

Politics

The gravity is too high, I would prefer moon gravity or less. And the open volume is too large. A small meteor strike and we'd all die. Space habitats should not try to reproduce Earth.

Contained Colony Monitory Exclusiveness

Nothing really.

Small size, floating in space, small number of people in settlement, permanency/commitment of settling there, possibility of catastrophic danger if something goes wrong - as in we all probably die. Maybe effects on health like radiation, etc.

I personally cherish the idea of jumping into an unknown. The challenge of having to find solution to new, first-time problems is very exciting for me. I absolutely love new obstacles and problems to solve, ones that challenge me mentally, physically, and emotionally. I am a problem-solver, a visionary, and a dreamer, and I can find solutions to any problem. So there would be nothing about living in space that would dissuade me in any direction other than wanting to go up and to keep moving forward.

Limited space and number of other people. Yet these limitations can be overcome with advanced entertainment and communication systems.

So expensive and limited options for romance

Upkeep work

everlasting danger

The fact that it will just be appallingly rich yuppies in charge of everything. I saw how Bioshock played out, I imagine it will end up like that.

Boredom or insular population. Also need time to myself and beautiful green space.

Threat of explosive decompression, radiation effects, interference from governments/big businesses.

It sounds a little population dense. The system of government may not be the best...some autonomy but not necessarily total nonreliance unless it were big enough and self sustaining

Dangers, no access to real outdoors.

The possibility of malfunctions and safety issues along with if I'd be cramped. Safety is top though, not much of a time well spent if I die immediately.

Its not earth

Stuck on station, lack of natural environment

Isolation,

Risk of danger, accident.

It will be available for the super rich or people with certain citizenships

The cost of travel up to Kalpana Two

Risk and expense.

Risk, new tech always has risk and being so close to vacuum

The possibility of not having diverse biozones such as we have on Earth.

The potential isolation from other communities on earth.

Until the travel between Earth and Kalpana Two is more economically viable, that is the least attractive. Mainly because it seems work within certain technology development industries might be limited. Although, that can be sorted, if companies are willing to have their employees stationed at Kalpana Two.

Danger, dependence of earth's support

Everything that involves outer space.

Cannot think of any.

Missing the ocean breeze.

Cost and economy would likely be limited, higher risk of environmental disaster

Nothing

It would basically be the same as being trapped in a jail

It maybe be cramped

Too close to Earth

Extra cost of a shuttle to surface when vacationing :)

difficulty / cost to visit earth

The small size of the physical space.

None come to mind

Would like to be further from earth. Cost of the trip.

The expense if you should want to go back and forth from Kalpana II and Earth. Where is a space elevator when you need one?

I am getting on in years, and I am not sure I could keep up my share of the work.

Confinement

difficulty travelling and exploring other cultures

Unknowns for now. I do not know what they would be but would like to try anyway.

Being integrated into the already failing economy of earth.would much rather be self sustaining,no fiat currency backed by nothing and issued with attached debt.

The small size is least attractive.

Space walks outside the settlement

Not having any input into who my fellow settlers will be

Earth normal gravity

Would miss walking in the mountains of Earth.

Very small size. Much too small. I think you should focus the first space developments on these things: 1. Short term vacationing (5 day-1 month trips) 2. University extension campuses with zero gravity labs, observation decks, telescope systems, etc. 3. Corporate Leasing of super high end office space/conference centers 4. Corporate Leasing of zero gravity laboratory space with simulated gravity living quarters on the same space ship We can do this as a human race.

Too far from my family.

Being away from family

View, science, lifestyle

Round trip travel costs to the Earth would be at a minimum of \$2,500. An annual vacation on Earth could easily run \$7,000 to \$10,0000 based on a couple or family of four.

The small, possibly claustrophobic size. And the potential to feel like you're living inside of a container, which might lead to anxiety or depression. The environment and "atmosphere" must feel as close to Earth as possible, including the beautiful sunrises, sunsets, flora and fauna. The "sounds" of nature may not be present, which is a serious

deterrent to living in the settlement.

being outdoors and the fear life would be too regulated

Worry about crowdedness

I would be significantly more interested if I wasn't married. I am willing to live in a relatively risky habitat for the sake of the adventure, but I would be very concerned about the risks to my wife and children.

Not being able to afford to return to Earth. The small space size of the settlements. Perhaps several settlements could be linked together.

* artificial limited ecosystem, i.e. couldn't go into wilderness or even large park * not clear what I would do there that I cannot do here on Earth * small physical size

Cost of moving between the surface and settlement.

Much more expensive and time consuming when traveling outside the community (e.g. vacation to Earth).

There will no doubt be a limitation on the utilization of resources that I find desirable in terms of sustainability but which would probably restrict my meat intake and overall calorie intake.

potential isolation from current family and friends due to difficulty and expense of returning to earth for visits

Cost to visit earth.

none

Kalpana Two is designed to orbit about 500 kilometers (310 miles) above the Earth's equator, Kalpana Two will have Earth-normal artificial gravity on the inside of the hull and zero-gravity in the middle, where you can literally fly. Space walks outside the settlement may also be popular.

being off Earth for more than a few days

The inability to "get away". Vacations would be difficult, so virtual reality vacations would be rather important. Lastly, whatever unintended consequences may arise.

The location in low Earth orbit

Isolation, especially a problem when raising children. When they grow up, they should get a guaranteed a free ride to and from Earth. Otherwise, they could hate you for isolating them.

The increased risk of K2 being one of the early generation space settlements i.e. probably more problems to deal with (but great learning experience for humanity).

Certain resource limitations.

the cost

maintaining or copying terrestrial surface conditions (parks, etc.)

I would miss the weather on the surface of earth, the freedom of movement, and contact with friends and acquaintances. I would be concerned about becoming homesick for earth, and volunteers should consider all aspects and challenges of this opportunity.

Of those that choose to live permanently, what about children born there? How would the population be kept to supportable levels? How would the issue of space debris be addressed by engineering? The cost of supporting K2 would be very high, likely higher than any revenue produced by the colony. Would it have to be subsidized or would it be self sufficient?

close living

Taxes

I'd rather be on another planet.

Come on if you are living in space it should be considered an honour to be there a privilege & with that you become part of a great community.

Being stuck there. Lack of freedom. Fear of falling out with people and of factions developing. Lack of real fresh air and weather.

travel back and forth from Earth to visit relatives, potential job opportunities in new settlement

It's a bit small. Cost prohibitive travel.

possibly it bein hard or expensive to visit the family

Its small size.

Over crowding

The dangerously low altitude that this project proposes to orbit in. Atmospheric drag is still somewhat significant at 310 miles, and the colony will also inherently be a very low-density object. Reboosting with some sort of propulsion block will probably be necessary every few months, possibly more frequently (As a comparison, the ISS, which orbits between a 270 mi by 215 mi zone, must perform a boost maneuver every 6 to 8 weeks to keep the perigee above that 215 mi threshold.). I would suggest starting construction up around the 800 mile altitude zone. Satellites that are parked roughly in this region from the early Cold War era are still up there today, and it is still low enough that Earth's best reusable launch vehicles can still get significant tonnage to the construction site.

That more of these settlements are not being established; Privacy; and ownership rights.

Getting there and back, not a huge fan of flying, more so the fact that if something goes wrong it's not easy to get back!

All the shitty things about living on earth with none of the benefits

I'm not sure if my dog qualifies as a child, and I honestly can't think of any more.

The possibility that we replicate the mistakes of previous frontiers. That equity issues are an afterthought

First of all we should make small colonies other than a large city on the moon. So that some human can live on the moon for some decades. This will help us in collecting the necessary data required for lunar life. So the conclusion is that we should send a team of professional researchers,engineers and scientists on moon for some decades to gather necessary information.

The possibility of being away from family for extended periods of time

It costing an arm and a leg every time I feel like visiting somewhere Earthside

possible/potential corporate sponserhip

None

Danger

Safety

Limitation on travel to Earth to visit relatives and friends.

not being able to get other people to experience what you experience. also, the least attractive other thing would b being dependent on earth for anything besides people.

small size perhaps not beautiful enough people and not goos enough food and living

Danger of death from the stations failure.

The price would probably be out of my budget. I am just a regular hourly paid computer tech working at 6 public elementary schools.

Limited resources and access to resources

Дороговизна.

Well there shouldn't be too many people this place needs to be independent so it would need to grow its own food so excessive wasting like today's world with its high population would lead to a shortage in food so having up to a 1000 people to 500 is enough I think

limited population size, difficulty of visiting earth

expense involved in getting to/from the Earth. (perhaps a space elevator would help reduce that cost! :))

The possibility of never seeing family and friends again; the possibility that, since it's an artificial habitat, things could go drastically wrong.

Not seeing a downside at this point.

Adding barriers to having friends and loved ones visit me and my family. It may also be difficult to give up some freedoms; I imagine there would not be an option for having a bonfire at the beach.

Cost of consumables.

effects of low gravity making return trip to earth difficult

It will be quite expensive, perhaps hundreds of thousands of dollars.

Perhaps the small space, but I also see this as a positive, since it allows one to get to know their community members more easily.

expensive

The expensive price to travel back and forth to earth

Never being able to see my family

There's a down side?

The radiation. Unless you have some remarkable hull thicknesses.

I'm guessing you'd get homesick sometimes

There are many wonderful people and places on Earth that I would forever abandon.

If something goes wrong, where do you go? Violence, disease, and malfunction would be ongoing concerns. Being unable to travel much would be unappealing. Hiking, camping, boating... There are a number of experiences that would be missed.

Could get boring. Need more info on work hours and type of salary there.

Size of the cylinder

Probably the worst aspect would be the possible high cost of living or of importing things that couldn't be made.

The politics involved in people inhabiting space.

Frankly, I'd like more of an O'Neill Island One approach, or a Bernal sphere. But one has to start someplace. Also, the cost of transportation to and from is likely to be something of a stumbling block, and I'd want to know about storm shelters and emergency evacuation contingencies.

Cost

Difficulty of traveling to and from. I will have to finish all my travels before I move in, but that is fine. There comes in a question of modernizing and expanding the settlement. I have other questions that would have to be addressed.

None really.

Only 110 meters?

possible overcrowding

It seems small. I do believe larger would be more comfortable, even if the small size was technically "adequate".

1. Risk of damage and hull breaches due to space debris. 2. Risk of Solar flares and gamma ray bursts. 3. The fact that the design is a single cylinder instead of a series interconnected cylinders forming a series of rings that orbit around the Earth's equator. Similar to the rings of Saturn.

expensive

Expensive to travel to/from Earth; inherent risk of travel to/from Earth due to required delta-V (i.e., vs. driving a car or taking a flight); limited geographic size/diversity; not sure what would be the point to settle in Earth's orbit vs. deep space - unless it was like a resort vs. "permanent" residence; would be separated from family / friends; potential to foster elitist and/or conformist societies (lack of diversity) similar to some homeowners' associations or covenant communities here on Earth, but worse

Potential reliance on earth supplies.

Physical space, small number of people, less choice in foodstuffs, recreation.

Murphy's law.

Friends and family back on earth

Small population

Away from friends and family on earth, radiation danger, being sucked out into space if a breach were to occur

People

Island living or ship living can become boring. Need to be to go offsite.

I would be far more interested in an independent colony, in interplanetary space instead of LEO.

Cost

Probably it will be difficult to live there if the people don't embrace the concept of diversity and they don't learn to respect others privacy more than it happens on Earth.

The price

Settler's lack of control over their personal environment and Kalpana as a whole. Settlers of new places on Earth built their environment as they saw fit and always had the option to expand or customize.

Cost

The cost of transfer between Earth and Kalpana Two.

Price and how much it is to get to earth

The very high cost of transportation to and from Earth, applicable not only to people, but to anything, including cutting edge technology.

Limited lifestyle choices and small population to interact with. It sounds fun for a year but I don't want to spend my entire life keeping a ship running.

discouraging aspects according to me would be the cost of living there. Not all would be able to afford such a lifestyle.

Constant sense of vulnerability. Crowded conditions.

The money.

None

High cost.

It would take me away from family

Separation from friends and family for long periods.

The repetitive scenery is one. Also, the ability to see the entire 'world' around you (since it is a cylinder) gives the sense of confinement no matter how big the O'Neil cylinder is. There is also the danger of an epidemic occurring on-board the space ship.

How expensive it will be to get to live there..

Risk of getting to and from the settlement.

COST

Druggies, gangs, left wing elitists flying Space debris wiping us out.

Risk of radiation, long terms affects of living in low Earth orbit, hull punchers due to orbital junk.

Nothing

Potential boredom in the long run

special experience in space living after retirement.

Cant think of anything different from what is least attractive living on planet.

The necessary limits of living in artificial structure like no digging, which I accept.

Cost might be a bit difficult. As well as, with such a small number of rooms open, it would be hard to get a spot.

got astronaut chance

Similarity to Earth environment

Living in Pleasantville. Also, not being able to return, especially when I'm fairly sure I know how we could design a better vehicle capable of this... although I'm no expert in such things.

Cramped space,enclosed living,absence of evening breeze.

Wind on my face.

Design

Very expensive commodities, access to quaternary healthcare.

Security

There are no deflectors and shields yet

I'd be able to see the other side of the settlement, or see what's happening 'above' me. I think there should be some kind of ceiling to stop people from seeing everything. It makes it appear rather small. Whereas a ceiling or whatever

you want to call it, would prevent that from happening I think.

That it may end up being for the elite only (however they will not be the ones running the show and keeping the lights on)

Governance and management of a small population

The other people.

It is seeing my land curl up and bend over me and when I look up, I don't see skies but all I see are buildings, people and land. It is so unearthly. Its like I would know that I am confined to live in a cylinder.

The cost -- I don't know if I'll be able to afford it.

away from family

Cost of flying back to earth. But if we can go to the moon and beyond cheaper, that will easily drop this fault.

I'm 75; my husband is much younger.. My children & grandchildren are on Earth, could not afford to come, and probably don't want to. That's why the 1-year visit: I like to hug them. Also, I have many medical problems. I'd want to know there's good medical care available. Depending on the available space launch technology, I might not be physically able to make the trip.

That only the rich can live there and you leave people behind like it is a gated community so it splits human race in half. Much like that movie. Leave the pollution that the rich helped create behind so they can live without it in an enviroment that is controlled. NOT GOOD.

can see the earth

Missing friends and family. Never visiting places on earth again.

Possibility of disaster.

Like any development it has to stay nice.

Travel to and from earth

Risks of living in space, exposure to asteroid strikes and solar flares.

Cost of travel to and from the Earth's surface

How difficult it might be for others to visit, how we will be physically disconnected from the rest of the world, risk of failure in orbit, with no help, how expensive it will be. I am predicting that by the time Kalpana Two is operational, humans would have made multiple trips to Mars, revisited the Moon, capture asteroids, master reusable chemical rockets and have major breakthroughs in ground to orbit propulsion and in-space propulsion, meaning space technology and technology as a whole would have greatly increased its potential.

Food, Sustainability

Radiation exposure, that's about it.

The cost of travel from it to elsewhere and back.

Danger

A possible sense of claustrophobia

No apartment for privacy and no sport, hobby, etc to have fun in space.

What about asteroids and solar radiation? Only the very rich (0.05%) of population (or less) could afford it. What is the government system? Is it independent of earth's nations?

Not having all my family with me. Reduced possibility of travel to other parts of Earth.

Possibly being away from family or friends for a long time, but friends are made and family can always be kept in touch, so nothing much really.

Cabin fever.

If something goes wrong we all die.

none!

Being far from extended family.

The cost and difficulty of getting to and from Kalpana would make it difficult - it's much more viable if people aren't making a once in a decade journey

To small of a Habitat, an expanded version would increase the desirability to live there for extended periods of time.

Gravity through rotation and potential Coriolis effect sickness.

Cost of visiting Earth. It would be nice to still have the ability to vacation on Earth, if so desired, or visit Earth for business meetings, etc..

I would worry about the sustainability away from Earth if we were to lose contact or shipping ability.

You really can't go "home" again.

Lack of discernable wildlife and pets (it is possible given enough room on the station to make a wildlife sanctuary or park, and I can't imagine life without my pets in any case).

I think that I would have to get use to the idea of being away from most of my family, but I live away from them now except for my in-laws. Them I wouldn't mind living further away from.

Oxygen starvation during emergency, space shrapnel.

The fact that I am already 65 and will likely miss this opportunity

Security, containment and boredom

Difficult to visit friends and family.

Space debris issues. Solar radiation.

I do not imagine anything bothering me.

Expense of travel back to Earth

Possible radiation damage

nothing

No cannabis

Cost

Nothing.

The amount of money it would take to travel to Kalpana

Just being away from home and the way the environment might work, I would like to live somewhere that could at least remind of Earth. A cheap knockoff will not do.

The enclosed space and not being in a "natural" environment.

Possible dangers (hull breach etc)

I would miss some of the comforts of earth, like the varieties of foods and experiencing the mountains. If pets are not allowed, I would have a hard time living without my dog.

Potential lack of variety, discovery, exploration. Would have to ensure there was abundant opportunity to fulfill purpose.

None

It's almost TOO normal. I am having a lot of difficulty imagining how its sustainable, also...because it seems like it would cost a lot of money to live there and you'd have to do a lot of work while living there...and the two would not even out. Where would the income be? Would anyone want to pay hundreds of thousands of dollars to get up there to live and then have a job as, say, a waste disposal technician?

How expensive it is to go to earth and back.

Leaving what I know on Earth. So many risks to living in space.

I like other engineering schemes better than spinning cylinders; also, orbit around Terra is not far enough to escape its political disasters, or even some physical disasters; we need alternate insurance for continuity of the human species.

I don't know. Dangers like cosmic radiation might concern me. Medical care, or dangerous accidents. Unforeseen complications with running the city, maintenance, or even problems with energy or communication for instance. What about crime? Back up systems or security? Space is a risky business, but then again, so is being here. I guess there no guarantees but I'd like to know the city isnt going to crash to the earth with everyone in it. I'd have to be assured that these things are accounted for and engineered well by people who know what they're doing and not just after my money.

Risk of norovirus

The recreation of an "Earth-like" environment in an orbital colony is a beloved concept and is entirely impractical. It is a waste of space and resources. It would make the colony much more difficult to maintain as it would involve the weather created in the large volume of empty space. It is also based on the assumption that human need "views". The fact humans has long live in environments nothing of the sort with little or no negative effects.

The vestibular and Coriolis-induced effects - the habitat is too small; to get one gee the spin rate would be absurd. Suggest you consider spinning a hab on a cable with a counterweight; you might be able to get the spin rate down to something not so crazymaking.

The potential danger is way too high for at least a hundred years: we haven't established a habitat this size under water.

Probably when the toilet system breaks

There's a financial risk. Unlike property on land, the space station probably won't last forever, so it's not traditional real estate. Also obviously there's a safety risk.

Can't think of any. If all the technical issues are solved or solvable.

Too small it needs to be 220+ metres in Radius to approximate Earth 1 G. Any less and space motion sickness will complicate living there. I would give myself a year but i would leave sooner if I can't get over the motion sickness.

I can't think of any.

Cost of living

Realistically probably the expense

At 110 meters in diameter, in order to generate Earth normal gravity, it would need to spin at a bit more than 4 rpm. Experiments conducted by Ashton Graybiel in 1977 suggest that at such a rate, symptoms of motion sickness could be a problem. (Not fatal, but annoying.) To actually insure that all occupants would be symptom free and produce a 1G environment, I expect you would need to be about four times the size currently proposed.

The expense and the likely level of political and ideological nut-jobbery.

Isolation distance to Earth No plans for major Evac IF warranted of populace IE asteroid enroute to station??
MedEvac shuttles to Moon or Earth? Backup plans, parts Strike on Earth deters parts to Island site effect Island life.
Earth politics impacting launches? Nuclear war on Earth & no Home to go to IF Evac station.

Impact on the eyes from unfiltered bright sunlight, prior commitment to staying there without an out, missing aspects of earth experience that cannot be replicated, risks to physical or mental health.

I afraid i would feel claustrophobic by time, the people i love could probably not all come with me

None

Collective control.

Few good walks, potentially having to telecommute. As a physics person, this basically means having to design web sites... not attractive.

None I am aware of.

cost

Small number of people to interact with (I'm a single guy who would like to meet a good woman to live with).

Cost and small community - what would be staff/crew to residence/guests - emergency procedures and life raft actions/capacity - don't want a Titanic event

The very real possibility of catastrophe, and living in a noticeably finite space.

The isolation/risk. Not as much variety as Earth..

Being in the same place would get repetitive. It would remind me of being aboard a Navy ship without ever touching a port.

Possibility of crowding or too authoritarian.

far from home - as in family ..

if the settlement breaks down and people die without any chance to get back to Earth

It's closed.

small

The isolation.

Not walking the wild spaces of Earth any longer

The distance and cost of travelling

Egos of inhabitants, people thinking about themselves above all else. Travel to and from settlement. Watching the Earth fly by at high speed may take some getting used to and make me feel uneasy.

BEING IN SPACE!!!

Risk, cost

Less Diversity of things

Separation from family members.

The unknown is always scary. Its not attractive to not know what you would be getting into. There are so many outcomes that can result from the creation and operation of space settlement, whether they are positive or

negative effects.

The cost.

Like to explore, so would prefer a planet-based settlement such as the Moon or Mars, where there is room and mysteries to explore. Confinement to just a single habitat might eventually reduce the elbow room, though it is a very good start. If it becomes a port on the way to adventure, then I am game.

The images do not depict the population density: no indication of housing for 500 to 1,000 people, let alone the industry and agriculture necessary to keep it economically and ecologically viable. To live the rest of my life there, I would want to have more than the area of a small college campus to move around in. I would miss lakes, rivers, and truly natural areas. Static images also cannot depict the weird effects of artificial gravity.

What are we going to be doing up there? Will the rotation make me sick or cause vertigo? I also don't want it to be like Virgin Galactic where I have to fork over significant money in the near term and then wait years and years for it to actually happen. I think I would only buy a spot on Kalpana One if it was either already up there or about to go up. I also don't think that launch vehicles are safe enough yet for me to trust riding one to the settlement.

The fact that only a few thousands of people will leave there is least attractive. One would never love to spend the rest of his life in a small closed place with so less people.

Probably the price, which can be very expansive.

concern over safety, expense of traveling to places on Earth (including physical presence at space conferences & workshops)

leaving our earth

Worries over system failures and complications that can be very dangerous.

Distance to visit earthbound relatives... determination of control for my existence (What do I do during the day?)

It is unclear if the full social, cultural and entertainment requisites have been considered, and these items would be important to me.

Cost, though if I was there as an employee that would radically change the equation. I'd also have a concern about access to emergency services. I'm a cryonicist, and I think that there would be significant logistical challenges with respect to timely cryopreservation.

Everything shown so far is a big plus in my opinion and I'm honestly struggling to find two things that I dislike though the LEAST attractive things would have to be possibly getting bored eventually, though this is compensated by having internet and a controllable lifestyle and the price while anything expensive being reasonable, is still something that will make people shake their head and turn the other way.

Feeling isolated

Radiation, fear of space debris, distance from relatives, not being able to be outside

Limitations of supplies. (Sometimes supply ships explode or fail to launch on time.)

Leaving my current family behind.

The idea sounds impressive but, can it be built today? With our technology? It seems like this will have an extremely high cost and will take long to build (longer than it normally would) because some new technology must be developed or even created.

Restriction of traveling. Not being able to freely go to places on earth

Necessarily limited extent of living area. Also, no ocean. :(

No motorcycles

It would probably take some getting use to, the fact the ground is not flat. It is something I could get used to. Also

recycled air, I hope it won't be horrible like on a budget jumbo jet, sort of stale.

It's too small.

That it's so close to Earth it barely qualifies as being in space. I would much rather live on another planet entirely (like Mars). An orbital station would always need to be supplied from Earth but a colony on some suitable planet could be self-sustaining eventually (probably not in my life-time, but at least it would be a step in the right direction). In fact, I would endure much harsher conditions and make a one-way trip to live on Mars.

NA

Cost of travel between KT and Earth

The possibility for elitism is very high.

n/a

Possible isolation and lack of intellectual and physical activity.

Too small

The location in LEO doesn't seem quite thought-out. The quick description doesn't mention the work that inhabitants will be doing to make the pretty images actually be something that will get required funding. This is the difference between the movie Elysium - a place where rich folks go to do nothing - and The High Frontier Concept - where real people go to work on things that they feel will make a difference for all of humanity, or at least pay well along with being "neat." But I realize that getting into required realities of engineering and physics and plumbing and economics is not shown on this single page.

Safety is my absolute first concern. Radiation, solar events, space debris and infrastructural failures, are all potentially catastrophic dangers. There is likely to be a struggle between maintaining safety and security, while not infringing on the rights of residents that also is very concerning. And lastly, I do not believe international law and policies adequately secure the rights of its residents and provide complete legitimacy and legal recognition for such a station.

Costs and inability to see family & friends in person.

I don't see one.

I wonder about the long-term stability of that orbit.

secondary radiation from gamma rays on metals outdoor activities

none

Changing degrees of weightlessness.

IN GAJARAJ - ODISA : NASA 2009 (Top Award) we too have spoken about and depicted a cylinder as the living space and the stock & store.

the physical size

Long delays in importing non-digital objects.

Getting homesick being away from my family and the place where I made all my memories.

Fanatics of any stripe gaining control of Kalpana Two.

having lot of traffic and suffering people

1. Money 2. Weather

The imminent danger.

There is nothing that is unattractive about it.

Unless there are quite a few of them, and they are easy to visit, then it's just too small for me to live there the rest of my life.

Biospheres are big. Back when I was young, I knew almost nothing about biological ecologies and industrial infrastructure, and assumed we could curl off a bit of the earth's biologically active surface, wrap it in a container made of space materials, and live independently in space. I've learned a lot more about nature and biology since then, most importantly about the fragility and domain specificity of the human brain. We - that is to say "our minds" - will adapt ourselves to space. First through predictive-adaptive telepresence, then through direct brain interface to much larger interplanetary computer networks. But slowly rotting meat is no enduring home for semi-immortal intelligence. A self-sustaining industrial economy is larger than the earth itself. Indeed, the entire Earth is not big enough to sustain our current industrial economy, or an active space program, for many millenia, so we MUST extend our machines and minds (though not our bodies) into space for long term survival. When we have the industrial capability to create a planetary-scale ecosystem, then we can construct independent and self-sustaining homes for human 1.0 bodies. Long before then, human 2.0 (probably non-biological) will fill this and other star systems with minds. Human 1.0 will be an optional experience, an expensive luxury. I wish it was easy to do small independent ecologies and economies - but it is not. Even a whole country like North Korea fails to support itself economically, much less biologically. I only need to look around the room I am sitting in to realize that I am connected to an economic mesh encircling the Earth, and look in my trashcan to realize that most critical resources make a one way trip from water-chemistry-and-plate-tectonics ore bodies to landfills and the ocean floor. I am confident that we will someday learn how to construct substrates for intelligence using the limited palette of elements and compounds we will find off-earth, but there are not enough of the right materials out there to create survivable, independent environments for human 1.0 and the vast web of lifeforms that support such fragile biological entities. Our machines are no different - the red phosphors of this screen use europium, a rare earth mineral found in karst ore bodies, formed (like so many other ore bodies) by gigayears of hydrothermal chemistry. Will we find substitutes for europium? Eventually - nanostructured materials with the same bandgap and optical nature may result from atomic-precision material assembly and vast material computation. The same technologies that we will use to rescue our minds from century-duration non-repairable biobrains. Someday, I hope to visit the surface of Mars. But that will be in a very accurate computer simulation, either of Mars here or of me there. A century of uninformed science fiction to the contrary, my meat and the journey to that planet are incompatible, biologically, technologically, and economically. BTW, read David Mindell's "Our Robots, Ourselves" for /great/ descriptions of human-machine collaborations.

Being confined to a smaller space than earth, less environmental diversity

Length of supply chains (cost of getting things to Kalpana)

Radiation, destruction of the whole construction due too space debris.

Closed environment

The high cost.

isolated

For at least the next four centuries, any space colony would have to have an analogue here on Earth to sustain it. You didn't mention that.

no horizon, but I could always visit the Moon. living in Kalpana would be like living in the city and getting out in the mountains when on vacation which is sort of the way I live now

Kalpana Two is just a small scale system compared to what we do know we could build. That's a bit dissapointing somehow. Seemingly no industrial facilities, thus the station cannot expand itself / build follow-up-stations. Also a bit dissapointing.

Likely expense involved. Not being able to visit easily.

Cost of shipping >:

Having a space boundary but of course we can't walk through space so I don't consider Kalpana Two to feature less attractive things.

The adaptation to the new environment.

1. The open air feel that barely covers the fear that Dr. Gerard K. O'Neill's grad students were wrong in their calculations. This cylinder looks much like his vision. 2. My lack of knowledge of the means to accelerate the cylinder in orbit. I suggest an axis (an extension of the straight line radial from Earth's "center"). Grab the axle and push perpendicularly to radial. 3. How is O₂, N₂, CO₂ achieved.

Being Stranded

Scarce possibility to travel outside

Safety. Large cost of specific product/material when brought from Earth. Cutting (physical) interaction with old friends.

Danger, risk of death, incredible financial cost that I suspect would be required.

The knowledge that some people will come to power and turn evil.

It probably won't be a reality until after I am gone.

To be far from home

the price

Not being on Earth. You are just in a cylinder floating around the planet.

Travel capabilities to the rest of the world ; radiation levels (even if limited) ; closed boundaries (for incoming people)

Fear of meteorites puncturing the outer hull.

Cost

Small and confined. Would miss nature. Difficulty to travel back and forth between it and Earth to see family.

Clear view of the curved spaces Restricted Explorable Area Continuous Reminder of "Away from Earth"

confined space

uh?

Internet connection lag

The sterile aspects - perfectly manicured gardens, lawns - like an orbiting suburbia.

No comment!

The population around me. I suspect I would have differing viewpoint from most of the people. Cost. Isolation from family.

Health considerations

The small size. I do, however, understand that a small settlement is necessary to begin with.

Unable to leave, if the community doesn't fit or gets bad.

Being away from family and friends that aren't there.

Technologies gained and a step forward.

I would think boredom would set in over time, which is why I said I would go for a few months

lack of diversity, too small, emergencies and natural disasters/security

That it doesn't already exist/

This seems to be sold as a playground for the super rich. I would not want to live with people of leisure who are not committed to working to expand access to space.

maybe personal space

Nothing .

loss of physical earth travel and, ultimately, variety.

A 55 meter radius and 1 g gravity means it rotates every 15 seconds, or 4 rpm, which I think is a little fast for comfort. A somewhat lower gravity - say, Mars gravity - might be more comfortable for the residents.

The simplistic design seems to lack diversity and thus biological stability, it makes me a bit uncomfortable.

At 64 I am probably too old

Coriolis effect may be hard to get used to, threat of space debris impact or some other catastrophe

The least attractive aspect is the notion of essentially being stuck there due to the expense of leaving.

Political governance. Your picture is totally naive. It would require very clear laws and regulations, with basically all inhabitants serving as part of the crew in a relatively strict command and control setting to be fair. Everyone works and gets roughly an equal share or there would be deep discord. After the colony was established, there would be deep social tension unfolding , unless the inhabitants were divided into crew and passengers.

Small living area, long and expensive distance from family and friends

The cost of getting there. The complexity of long term maintenance.

I'm uncertain whether such a controlled (mall-like) environment would become tiresome in the extreme after a period, say, of a few years. I might end up seeking a more natural, if more harsh, environment eventually.

Leaving Friends

Far away

The real chance that I would take over the station and declare it my own pirate bay.

Possibly dying because of "space stuff" (you, meteorites, space trash, etc.)

Not being able to see/visit things and people on Earth easily.

The sheer amount of raw materials required to machine/fabricate new parts on the go will be difficult. However, if Kalpana Two ends up being a colony that thrives on assisting the mining of brought-to-earth asteroids for raw material, then this should not be an issue. Foundries, machine shops, repair bays and the like should be prioritized.

vacuum outside

I imagine the dating pool would be rather small.

the potentially expensive trips back and forth to earth. however i suspect "100k+" is extremely unrealistic especially given the enormous effort and infrastructure we've built for the purposes of suburban commutes.

Not being able to do certain things--walk in a forest, hike a mountain, swim in a lake, kayak a river, see wild animals in their environment, walk on a beach with surf in your ears and body surf waves. Even if incorporated it would be artificial.

Ability to visit relatives who don't ship up.

small town mindset ?

Lack of privacy, close proximity to all other residents, susceptibility to authoritarian control

A bit too small for a full sized flat soccer pitch. Not large enough population for a large student population and commercially driven population. Want thousands of residents on top of a thousand or so students k-12 and especially University level.

utter dependence upon planet-side resources

Not being able to just step out and enjoy nature and going for a hike.

Lack of or expensive travel options, lack of random weather/seasons, potential social problems with a closed population, what form of government?, what ties to other countries?

Sounds like an unstable choice for Orbit so that it can use less radiation shielding, but that means solar storms would be larger variables. The idea of Lagrange point stationed colony and simply better radiation shielding sounds more appealing.

How much of your wealth and future income would you be willing to spend to live in Kalpana Two? ...

The small and possibly after a while rather claustrophobic living conditions and the detachment from the natural surroundings of Earth.

The dangers about crashes.

A space where I can live.

The cost of the journey to Kalpana Two

Possible claustrophobia, threats from micrometeors, radiation (at any level), and the massive cost.

Space limit.

Dizziness. ;-) Maybe some claustrophobia

Cost. Physical separation from other family members. You would like to go visit your mother and then return home? That will cost a mere half million dollars.

The limitations of not having certain resources available immediately.

Limited number of people, potential Lord of the Flies situation

Radiation concerns.

Possible decompression

Expense and limited likelihood of success.

Being stuck with a very small group of people.

Travel costs. I can envisage a one-off payment to move permanently myself but could not afford frequent visits to Earth for holidays nor could friends and family afford to visit. There is also the risk of becoming bored with the very limited number of places easily visited. Full time work would be essential, even when retired.

HARD TO VISIT OTHER PLACES

Enclosed

It is a artificial habitat.

Well, probably the number of people, but everything is about adaptation and tolerance

The price tag as well as the lack of nature (not a planet/moon).

Not much freedom for exploring a lot of places.

It's in LEO, so it's not a gateway to anywhere. It could also be a target, should some rogue regime decide to test it's satellite killer missile.

Cost of travel to Earth destinations and physical separation from extended family and friends.

None really

the diversity of the land, it is not EARTH

Possibly not having my family with me.

Space, peace, introspection, discovering.

the small space, inability to escape whenever I want, danger of some critical malfunction

Potentially jumping in a car and going away for a few days, it won't be as easy or cheap to do.

The small size - if for some reason the society in space is not expanded with more people moving into more habitats and larger.

The potential vulnerability due to its small size.

The downside to this type of structure is definitely the time to make operational and running this station, then you certainly speak of a future between 50-100 years, also the high costs necessary to complete definitely impose exorbitant prices for access to the structure to the public, unless one wants to ask the public and do not keep it in a context reserved for scholars and astronauts / scientists

gravity, recreation, food, socialising

claustrophobic character of its space

I'd prefer a little bigger.

Governance not tied to Earth's

People :(

None

The lack of proper amenities and the risk.

The fear of being in an closed and very small environment.

It's too small. I am a traveller. There, I won't be able to travel.

Space constraints.

I would feel trapped, especially if it is very expensive to leave. I think it would be a great experience but not a lifelong experience to me.

The fact that I could leave my family on Earth

-
The costs, probably not being able to convince my partner to join me

Fragility.

probability to not meet any family in friends on Earth during the stay (limitation of communications to video/audio etc.)

To live with the risk that something bad could happen and I plus family will lose our life, to get into conflicts which are badly solvable, to life with the feeling that the whole "crew" is an experiment and everything I am doing is perhaps recognised by a ground team

Expenses

Expense of trips down

Leisure, I'm a workhorse

High cost of living. Safety.

Lack of fresh air and nature.

Lack of pristine nature for recreation such as skiing and sailing

The proximity to Earth would actually be rather unattractive to me. At only a few hundred miles, space junk would be worrisome, if not deadly.

The price of travelling back and forth from earth.

fear of cabin fever

No obvious viewing areas of earth or space; main reason for living in space is to be in space

Outer Space and living space. Cost.

Cost. Honestly; with falling incomes over the past 3 decades, it's really not at all viable.

small space, looks the same everyday

being off world, family/friends.

Cost of travel, dependence upon artificial systems to support life.

size

I want to move around more.

I don't know of any since I have not lived there yet ;-)

It's not on Earth.

it is not earth....

There's no ocean, but that can't really be helped, mn?

Might feel confined after a while

limited space and inability to get out. why hang out in a tin can without access to anything?

Distance from family.

Tourist and Consumer focused vs Scientific endeavour

Isolation from friends/family. Cost.

Forced to live a particular lifestyle.

Size limitations. Then again, there would be several of these Torus type habitats. Oh, and the lack of national parks, and ancient sites to explore.

small space

Costs

Possibly cramped living conditions and lack of space.

thin layer of man made material between your atmosphere and a vacuum

depending on your neighbors, and the length of time living on board, one might wish to see some new faces. also many will miss people back on earth. although good virtual reality devices and fast broadband would help with these. also, the diet on board may be limited, and take some getting used to.

the dimension////I think is small

Least attractive would likely be the amount of people that would occupy the small space.

being stuck there (the difficulty of actual contact with real people and natural ecosystems on Earth)

isolation and a dictatorship type of government

Rotational speed required to achieve 1G at $d=110m$ may actually preclude having a view of Earth. Even if you placed the axis of rotation perpendicular to Earth, having a giant spinning view of it could be disorienting.

Full gravity (too much) & Coriolis effects (too small a structure). High risk of structural compromise or failure (consequences severe!).

Danger of space station losing integrity/lifesupport ability.

That it would be a new piece of technology, and as a result might be more susceptible to technical glitches that could result in potentially fatal circumstances for residents.

all the possible accident ... micrometeorites, perhaps radiation

Travel time.

Will there be pets? No horses to ride I assume.

Leaving my family

It will be fully explored. We built it; we know it.

Limited space. Forced to be projected to those conditions. Space is deadly. Space is scary. It could be handled safely and easily with the proper work, but the anxiety would take awhile to get over.

Possible missed family events and milestones on Earth.

Cost of return to earth.

possible crowding

Wealth requirements.

Being away from home?? Being away from Earth?? Family?? Honestly, I'm not sure how I'd respond to it all. It'd be interesting. I'd probably be so excited, I'd forget all of that. In the end, I really don't think it wouldn't phase me too

much.

odd horizons

no Amazon Prime, cost

Expensive travel between Kalpana Two and Earth. Absence of scientific exploration in space.

Separation from extended family who would chose not to live there - the difficulty and expense of navigating Earth's gravity well.

If it is anything like your concept art, there will not be much diversity going on up there.

Possible lack of a background check on applicants

The unknown dangers that space may entail.

Size

Untested technology

cost and limitations of food variety and other necessity limitations

Physically it is far too small. The ideal would be a settlement at about the same orbital altitude but 1000m diameter. (I am surprised by the specific dimensions of Kalpana two. I have read the Kalpana one document and it suggests that to be statically stable the length can be no more than 1.3r.)

Living away from Earth in an artificial "bubble"

No Taco Bell.

The adjustment and the distance from my son, if he didn't join me.

Not finding my soul mate

Expense of travel.

None.

Hull breaches; coronal mass ejections

- The task of saying a more or less permanent goodbye to Earth. - The possibility of systems failure.

Um...it would be self-governing? That sounds like a nightmare. What happens when someone gets murdered? Are all the suspects flown back to earth for trial? Who pays for that? What earth governments do we interact with? Could other countries get mad at our host country, and take it out on them by blowing us up? Also: it is hard to imagine a space not feeling claustrophobic after a month. Where would I go for vacation? If I get divorced (not that I personally anticipate this :) I can't move to another state. Also: the lack of diversity. I mean all the architecture and objects would be similarly manufactured. There would be nothing that felt ancient.

Also...space (vacuums are scarrrry).

Nothing

no wifi?

The cost to fly back to Earth

Not being able to return to earth at least once a year. The fact that it would apparently be a pay to get in as opposed to get in to earn a living and work as a productive member of a community.

Being away from family and friends.

there are non so far

must first try it ,before judging it

The cost and the separation from Earth. All vacations on Earth would be expensive.

It's not Mars

Difficulty vacationing "off hab". If at least yearly transit to and from Earth were affordable, I would have no problem living there forever.

benefits of aging in space .science oportunitys ,design oportunitys ,beig able to explore space easily from home, without expensive outmoded rockets .

Small diameter curved environment. Adjustment to Coriolis effects. Cutoff from earth surface traveling opportunities. High cost of getting there and revisiting earth surface.

Radiation and Hard Vacuum. Adapting to .5g.

lack the ability to explore and travel

Other people and governments

Possibility of high cost of travel to Earth's surface

Danger of collisions and perhaps insufficient privacy.

Not being able to visit other cities easily.

what about medical care.. Also what about if on a Disability pension how would one make an income?Also what about Diabetics? sorry had to add that in never got an answer from NASA.

Transport costs.

Safety. Security.

Space

Isolation if comms go down, internal strife over issue on Earth, see movie 2010, CUT off, no escape back to Earth or Lunar base. parts to repair, replace systems unless produce on site 3D.

Travel to anywhere is not easy.

Living space will be tight and we all will be responsible for keeping the habitat operational and safe and some folks will shirk their duty and let "The other guy worry about that."

Being limited to only orbiting the Earth

isolated communities tend to regress, people playing politics for power and influence.

Leaving my family behind The inevitable homesickness

Leaving family and friends. The inherent danger in this fragile environment.

Space available, possible noise, lack of choice of environment (not sure)

Regular access to Earth planetside could be a concern. It would be nice to vacation down on Earth with my family.

It has risks and may not be as interesting as life on Earth. Being able to interact with my grandkids [other than via skype] while they grow up. I wrote a paper on this for the American Journal of Physics, based on G. K. O'Neill's ideas.

NA

Giving up all the world's parks, oceans, rivers, lakes, and, even, changing weather. Limited contact with extended family.

engineered ecosystem, what if something goes wrong?

Confinement and safety

Radiation exposure

None

Living away from my relatives and my friends. It is your deal breaker if there is not at least Full body video picture Love my family available at anytime I see fit to call then vem

The possibility of a distopian dictator taking control, probably the architect that built the thing.

Potential cost

Confinement Unknown dangers

Confinement

The long trip back to Eart, and it's price. But considering the degree of development it's impossible to consider it an impediment.

living costs

the cost of transportation

The cost of getting there and especially leaving it.

None.

It's highly risky and as of yet, untested. While people have been living/working in space for some time now, the duration is short and the number of people involved is small. There has never been a significant number of people spending the majority of their life in space. There may be physical and physiological effects that we are as of yet unaware of. That being said, someone has to go first.

size

The cost of going to and leaving is rather expensive. So, depending on the eventual population, the limitation of "...residents would have unprecedented control over their lifestyles: who will join the community..." would be a negative with me. Governing, "citizenship", rule of law, etc. might be even harder problems to address than tackling the technology to make this work.

Cosmic rays and meteorites!

Expense... that's it, and that will be manageable for me by the time it is finished.

Larger risk of disaster, reach-ability, noticeable rotational spin. A certain limit or instruction on what you can and can't do. I would miss my bicycle rides too oh and DHL deliveries...

None.

Death

There is no such aspect!

Its location

Risk of catastrophic failure, potential negative health effects.

The relatively small size and limited opportunities for experiences outside that environment.

Extremely small space, curvature of the station itself, expense of getting to and from Earth.

Family and friends left behind

Smaller size will lend itself to that "island fever" feeling.

no mountains, perhaps minimal nature, girlfriend doesn't want to go

paying money. Waiting for it

Getting bored after a while, both personally and across all of the population. Everyone needs to be involved in the creation and maintenance of it to be fully invested and feel individual ownership and equity in it. That will help create a more stable social environment. And also to keep people busy.

The expectation that there would be outages of various sorts and the difficulties as a result.

Without availability of raw materials to make things and support an industrial base, it feels more like an outpost than a real settlement, no matter how many people are there. Without an industrial base I would feel concerned that my kids had no future there.

Health aspects, g forces and radiation etc.

Cost of transportation to and from earth...makes an earthside vacation a bit on the spendy side.

the negative effects of microgravity on my health

significant curvature of living space

Losing the ability to travel so easily from place to place.

I will be long dead before you build it.

Isolation. Fear of claustrophobia.

1. In equatorial orbit, you are over open ocean 70% of the time. Boring. The view from an inclined orbit can be much more interesting. 2. The geomagnetic field is disintegrating. The last time this happened (the Laschamps excursion, 40,000 years ago) the field fell to 5% of its normal value. The north magnetic dip pole is moving south just as fast as it did in that event. At its present rate of expansion, the South Atlantic Anomaly will cover the Southern Hemisphere by 2050. Kalpana II will need shielding (water from a comet or asteroid?), so it might as well be in an inclined orbit.

The inability to access open spaces such as mountains and forests.

Confining.

Nice idea, but it needs to be part of a larger colonization effort. Space was starting to be able to pay for itself and become a new frontier but we gave up too soon. I worked at the Johnson Space Center when NASA was trying to play down the space program with the shuttle missions. We need to focus on developing the moon first. It is in the right spot, has a shallow gravity well, and has all of the minerals we need to get out to space and begin the next expansion. With the moon developed, many lessons will be learned and the likelihood of your habitat becomes far more likely. You will never get enough material out of the Earth gravity well, way too expensive.

It sounds controlling

Fragility

Being in space and not being able to leave as needed.

Mostly the expense, and my age (I'm 53) If this becomes an option for retirement (I presume it's at least 10 years away) I would still be interested, but obviously my viability as a worker will be diminished as age takes its toll.

If it doesn't produce and export anything, how can it be economically viable as a community? And how boring would it be to not have useful and productive work satisfying customers? At minimum, it should serve as a research community and/or transfer port. Also, emulating Earth g (and presumably sea level psi) causes higher maintenance effort and cost.

Too Small.

Lack of diversity (judging from these renderings)

Depending on Earth for almost every material item

None

various dangers in a space related environment

None, unless I had to leave family behind.

Hosting people from Earth might be a tight squeeze.

Prohibitive expense of returning to Earth

Duty Free gift shops.

That horizon curve is awfully tight. That would take a lot of getting used to.

distance from the family

Unable to afford to go back home even for a visit

Small and hard to leave