

Shaquire Dean

Professor Janis Innis

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Why space elevators should be built

According to (Swan, et.al Pg.239). Human and cargo transportation has been the main activity in the space as far as traveling into the moon. This has brought about very many ideas in consideration of the various problems and risks associated with the current forms of transportation used currently. Scientists are making discoveries related to the moon day and night. It is, therefore, a crucial step to see to easing of the transportation system to the moon and back. Consequently, it is a commendable step to initiate the building of space elevators connecting the earth to the moon.

Space elevators are far much faster compared to using rockets for transportation. This is argued that as cargo and people are transported via the elevators, they may gain velocity from the earth's rotation. This may help increase the speed to launch into the orbit. Rockets, on the other hand, may tend to be relatively slower. This is due to the cumbersome liftoff. It is also affected by too much friction in its up thrust. Therefore, it is crucial to develop a system that can avert these issues, and hence, a space elevator suits the choice best (Swan, et.al Pg.239).

Using space elevators is much cheaper than the use of the current use of rockets for travel. NASA says, "Our dreams of everyday life in space and its promise for a better life on Earth are hostage to the high cost of production." Transporting people or even cargo is charged very expensive, \$20, 000 for each kilogram unit mounted in a rocket. This is pioneered by the high

amounts of fuel required for liftoff. Using space elevators could see to reduced costs since they are estimated to use just a third of the fuel a rocket requires. It is, therefore, a better option to use.

According to (Van Pelt, Pg.150), the buildings of space elevators shall see to an economic strive in the space industry. The building of space elevators is approximated to be below \$90 billion, whereas rockets are built with over \$240 billion. This shall enhance traveling to space more often with reduced cost but efficient means of transport. The prices are estimated to be saved to up to 5 percent of the current cost of a single journey to space. It is, therefore, crucial to endorse the building of space elevators rather than using rocket technology.

The current technological advancements in IT technology are essential in space advancements. The use of elevators rather than rockets has been proven to be more suitable. It has seen to countries such as Japan making a vision of building their first space elevator to the moon by the year 2050. This shall be a crucial step in space developments and its activities of bettering the world in general. More discoveries in the space that may be crucial in the advancement of humankind may be made in the future due to more comfortable travel and the moon (Smitherman Jr, 200).

References

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