IAF SPACE TRANSPORTATION SOLUTIONS AND INNOVATIONS SYMPOSIUM (D2)
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FROM DREAM TO REALITY: ASSESSING THE PRACTICALITY OF HYPERSONIC TRANSPORTATION

Abstract

This paper presents an introduction to the concept of hypersonic transport (HT). Hypersonic transport is an advanced form of air transportation that could revolutionize the way people and goods travel across the space. The paper presents the potential benefits of HT, as well as its current challenges, including technical, economic and environmental considerations. The paper then examines the current state of development and outlines the prospects for the future of HT. Finally, the paper discusses the likely impact of HT on the global transportation industry and the need for further research and development to make HT a reality. HTs are designed to be more efficient than traditional jets, resulting in reduced fuel costs and emissions. This could help reduce the environmental impact of space travel. In conclusion, the benefits and practicality of hypersonic transport are undeniable. This mode of transportation allows for faster and more efficient travel, with its ability to drastically reduce travel times. Hypersonic transport also has the potential to reduce overall emissions and noise pollution, making it a more sustainable and eco-friendly method of transportation. With advancements in technology, this mode of transportation could revolutionize the way we travel and open up new opportunities in the world of transportation.