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ANALYSIS OF PASSENGERS' NEEDS AND DEMANDS OF ASTRAX ZERO GRAVITY SERVICES
AND APPLICATION FOR SPACE TRAVEL SERVICES

Abstract

ASTRAX's zero gravity flight services are offered in several countries around the world, including the United States, Russia, France, and Japan. ASTRAX, a Japanese private space services company, has been offering ASTRAX's original zero gravity flight service for general customers, not researchers in Japan since 2012, using Diamond Air Services' small jets. So far, 20 flights have been conducted, and each client has fulfilled various dreams through zero gravity flights. By fulfilling various needs and requests in zero gravity flights, we will be able to fulfill new needs and requests in space travel. Therefore, based on these experiences and experiments, ASTRAX analyzes and predicts the needs and desires of space travelers (what they want to do in a spacecraft, such as weddings, marriage proposals, model shoots, commercial shoots, drinking parties, fashion shows, musical instrument performances, and music concerts), and develops various technologies and services to meet those needs.

This paper describes the results of the analysis of customer needs in microgravity flights in Japan, the issues derived from the analysis, and the possibility of developing new needs and applying them to commercial spaceflight in the coming space travel era.