Paper ID: 69851
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IAF HUMAN SPACEFLIGHT SYMPOSIUM (B3)
Advanced Systems, Technologies, and Innovations for Human Spaceflight (7)

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CLEANING METHODS FOR REUSING CLOTHES IN SPACE

Abstract

In recent years, the concept of SDGs has spread around the world, and awareness of various environmental issues has increased. On the other hand, it is said that clothes worn for about 10 days are thrown away on the International Space Station. If space travel becomes more common, a large amount of clothing will be discarded on the International Space Station. Therefore, it is important to establish a method to clean clothes without using water or solvents, and to reuse clothes worn in space, on the moon, and on Mars. In this paper, we will introduce a technology that enables the washing and reuse of clothes without water or solvents in zero gravity or low gravity environments.