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Author: Mr. Li Tanqiu  
China Astronaut Research and Training Center, China, tqli@yahoo.cn

ERGONOMICS DESIGN AND TEST FOR CHINA “FEITIAN” EVA SPACESUIT

**Abstract**

China “Feitian” EVA spacesuit is an semi-rigid architecture system which designed for Orbit station service (microgravity environment), its ergonomics capability is one of key performance for EVA mission, this paper describes mobility, visibility ,workspace and operation interface design for the spacesuit and relevant test issue briefly, which includes the configuration of soft joints and airtight bearings, the layout design of workspace and control panel, the structure characters of soft joints and size adjustment according the requirements of EVA task and spacesuit self control . and the methods and results of ergonomics test are also presented.