

Interactive Presentations (IP)  
Topic 7 - Interactive Presentations (7)

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CO-DESIGN OF TCS & ACS FOR NEAR EARTH PLANETARY DETECTOR

**Abstract**

This paper is mainly devoted to a thermal control system which cooperative with attitude control system. The system is at the service to provide a good temperature environment for the near earth planetary detector whose destination is Mars, Venus and Mercury. The exploratory simulation studies indicate the extreme temperature could be controlled in 0 to 30 when nearly independent of electric energy. It is concluded that the scheme is feasible.