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Spacecraft Control Toolbox - Princeton Satellite Systems
Typical users are performing satellite attitude control analysis and may be designing control

loops and estimators, or performing high-fidelity simulations. The toolbox can be used to support research in new control areas such as formation flying and solar sailing with modules specific to these topics.

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Control System Toolbox™ provides algorithms and apps

for systematically analyzing, designing, and tuning linear control systems. You can specify your system as a transfer function, state-space, zero-pole-gain, or frequency-response model. Apps and functions, such as step response plot and Bode plot, let you analyze and visualize

system behavior in the time and frequency domains.

Control System Toolbox Documentation - MathWorks

A spacecraft control system is used to operate a spacecraft from the ground. The more general term 'Mission Control

System' (MCS) is commoner these days and will be used throughout this paper. The MCS covers the needs of the whole mission, including support to preparing operations, in addition to the spacecraft operations themselves; it can also cover the ground-system operations.

The Evolution of ESA's Spacecraft Control Systems

Titan, a moon of Saturn, is of great interest to space scientists. Titan is the only moon with a dense atmosphere and clouds and with liquids on its surface. Universe Today reports on a masters

thesis that proposes a mission using Direct Fusion Drive to put an orbiter around the moon. The thesis, "Trajectory design for a Titan mission using the Direct Fusion Drive," is by Marco Gajeri ...

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