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Spacecraft Dynamics and Control: The Embedded Model Control Approach provides a uniform and systematic way of approaching space engineering control problems from the standpoint of model-based control, using state-space equations as the key paradigm for simulation, design and implementation.

Modern Spacecraft Dynamics And Control

The basic principles of physics underlying spacecraft dynamics and control are examined and aspects of fundamental spacecraft dynamics are investigated. Orbital and attitude maneuvers are considered, taking into account momentum precession and adjustment for a rigid spacecraft, orbit establishment, orbit transfer and adjust, plane rotation, interplanetary transfer and hyperbolic passage, lunar ...

Satellite Attitude Dynamics and Control Research Papers ...

Other Spacecraft Dynamics Books: V. V. Beletsky and E. M. Levin, Dynamics of Space Tether Systems, 1993, Univelt. This is an excellent monograph on tethered spacecraft. The second author drew all the illustrations of tethers. V. A. Chobotov, Spacecraft Attitude Dynamics and Control, 1991, Orbit Books.

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Spacecraft Dynamics and Control

Almost every engineer working in the field of spacecraft dynamics and control is familiar with his unique text on the subject. Dr. ... Modern Spacecraft Dynamics and Control, M. H. Kaplan, Wiley and Sons, NY, 1976. SPACE SHUTTLE: America's Wings to the Future, M. H. Kaplan, Aero Publishers, Fallbrook, CA, 1978. Second edition, 1983.

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