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1.3.2 - Vector

Differentiation

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~~1.3.6 - Review~~

~~Spacecraft Dynamics  
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(MATLAB SIMULINK)~~

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3.4.3 - MRP

Differential Kinematic

Eqn, MRP Form of

Cayley Transform

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4.2.1 - TRIAD Method

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~~Spacecraft Dynamics~~

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~~2.3.2 Euler Angle~~

~~DCM Relation~~

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~~2.2.3 Review~~

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~~12.4 Review~~

~~Unconstrained~~

~~Attitude Control~~

~~Rocket Guidance~~

~~Navigation and~~

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~~Control The Cubli: a~~

~~cube that can jump~~

~~up, balance, and~~

~~'walk' Euler (gimbal~~

~~lock) Explained~~

Satellite Reaction

Wheel Attitude

Control System ISS

Attitude Control -

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Attitude and Control

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- Momentum

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Momentum Control

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Particle Kinematics

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Dynamics and Control

Primary tabs

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1.3.3 - Examples of

Vector Differentiation

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4.2.3 - Devenport's q

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Mapping PRV to EPs,

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equations of motion

that prediction the

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and inertia (Kinetics),

and finally non-linear

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and achieve precise

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lunar transfer,  
reorientation with  
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determination, and  
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requirements.

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heavily on the

effectiveness of

complex onboard

control systems.

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operation, digital

implementation of

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effects of unmodelled  
dynamics.

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10: Rendezvous and  
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## Spacecraft Dynamics and Control

### Spacecraft Dynamics and Control - An

Introduction: Errata

January 9, 2014 This

document contains a

list of errata found in

the book. It will be

periodically updated.

Readers are

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movement of rigid  
bodies taking into  
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controls to program  
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aiming goals in three-  
dimensional space  
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M. J. Sidi, Spacecraft  
Dynamics and

Control, 1997,  
Cambridge. A

“ practical  
engineering  
approach ” to both  
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W. T. Thomson,  
Introduction to Space  
Dynamics, 1986,

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to be valid for both  
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Spacecraft Dynamics  
and Control, M. J.  
Sidi, 1997 ...

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