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dynamic analysis of multibody
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Professor Leckie, the consulting editor
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Kinematic and Dynamic Simulation of
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Kinematic and Dynamic Simulation

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Three main disciplines in the area of multibody systems are covered: kinematics, dynamics, and control, as pertaining to systems that can be modelled as coupling or rigid bodies. The treatment is intended to give a state of the art of the topics discussed.

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systematically setting up the equations for multibody systems with arbitrary connections. The first chapter is meant as an introduction to multibody theory in general. Chapter 2 on the kinematics and dynamics of a rigid body, is also intended as an introduction of the

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notation in the subsequent chapters.

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process of mechanical systems
(dimensional and/or kinematic
synthesis); finally, sometimes, the
interest of the multibody system (MBS)
is purely kinematic (position ...

Computational kinematics of multibody systems: Two ...

Inverse dynamics is a technique in which

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