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Modeling and Control of Complex Physical Systems - The ...

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By Petros A. Ioannou, Andreas Pitsillides. Edition 1st Edition. First Published 2007. eBook Published 26 December 2007. Pub. location Boca Raton. Imprint CRC Press.

Modeling and Control of Complex Systems | Taylor & Francis ...

Along with the dynamic equation models, graph-based model is of interest for modelling complex gene regulation network. From the viewpoint of control, the adopted techniques mainly include adaptive control, impulsive control, sliding mode control, fuzzy control, nonlinear optimization, and optimal control.

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control of complex physical systems Abstract Prevailing trend in the modeling and simulation of complex (lumped-parameter) physical systems is modular modeling, where the complex physical system is represented as the net-work interconnection of ideal components. This has many advantages in terms of flexibility,

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modeling process to support and unify activities related to system-of-systems architecture development; modeling, simulation, and analysis efforts; and system capability trade studies. These techniques have been applied to support analysis of complex systems, particularly in the net-centric operations and warfare domain, which has

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