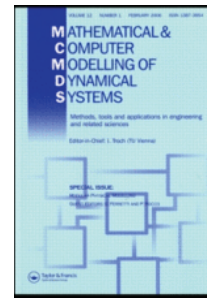




MCMDs INFO



MCMDs - Mathematical and Computer Modelling of Dynamical Systems

Methods, Tools and Applications in Engineering and Related Sciences

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Aims & Scope MCMDs. The analysis and improvement of performance in complex systems, the adaptation of plants to new demands or conditions, and the design of 'optimal' systems are a few of the challenges confronting engineers and systems scientists today.

In many cases solutions to problems in areas such as these may be found through the use of appropriate mathematical models. The dynamic case, whether continuous time, discrete time or discrete-event, deterministic or stochastic, presents special challenges, and derivation of an appropriate solution depends strongly on the proper initial formulation of the goals and constraints. Increasingly this demands an interdisciplinary approach to modelling. Models can take the form of sets of equations, graphs or nets, or some combination of elements such as these.

The derivation, combination, simplification and validation of models and sub-models are the main topics of *Mathematical and Computer Modelling of Dynamical Systems*, which provides an international forum for the presentation of new ideas in modelling and for the exchange of experience and knowledge through descriptions of specific applications. Original work will be published as regular papers or short notes dealing with a broad range of topics in the area of modelling and simulation.

Readership MCMDs. Engineers - especially electrical and control engineers, aerospace engineers, mechanical engineers, marine and offshore engineers, chemical engineers, safe engineers and civil engineers, mathematicians and computer scientists who are involved with applications of mathematical and computer modelling in the physical sciences, in biology, in medicine, in ecology and in other fields such as economics.

All published research articles in this journal have undergone rigorous peer review, based on initial editor screening and anonymous refereeing by independent expert referees.

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