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Authors

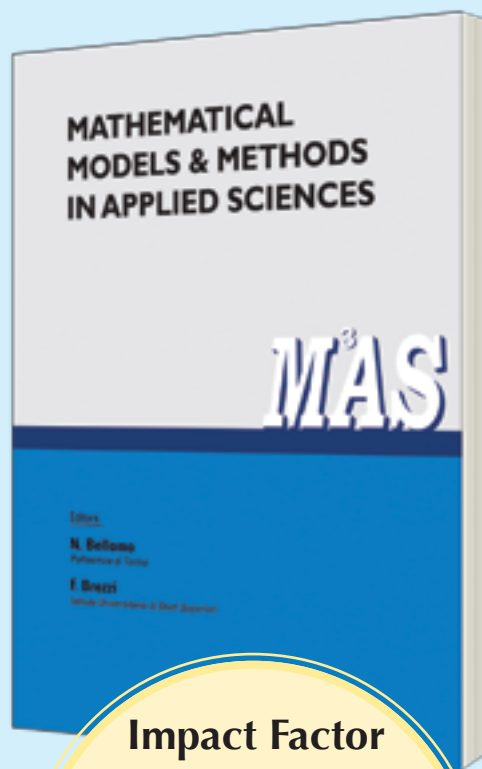
Robert A. Gatenby, Thomas L. Vincent and Robert J. Gillies (*University of Arizona*)

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This paper develops a variety of mathematical tools to model the dynamics of large systems of interacting cells. Not only laws of classical mechanics, but also some biological functions rule the interactions. The mathematical approach is the one of kinetic theory and non-equilibrium statistical mechanics. The paper deals both with the derivation of evolution equations and with the design of specific models consistent with the above-mentioned mathematical framework. Various hints for research perspectives are proposed in the last part of the paper. The paper can be found in M3AS Volume: 15 Issue: 11.

Authors

Marcello Delitala (*Politecnico Torino*) and **Abdelghani Bellouquid** (*University Cadi Ayyad*)



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