Nonlinear Sciences > Adaptation and Self-Organizing Systems

Meso-scale phenomena from compromise -- a common challenge, not only for chemical engineering

Jinghai Li (1), Wei Ge (1), Mooson Kwauk (1) ((1) State Key Laboratory of Multi-phase Complex Systems, Institute of Process Engineering, Chinese Academy of Sciences)

(Submitted on 30 Dec 2009 (v1), last revised 5 Jan 2010 (this version, v3))

This short communication analyzes the importance of resolving mesoscale structure in a complex system with multi-scale structure. Similar mechanisms for the formation of meso-scale structures in different systems are found and a general approach to established multi-scale models for such systems is discussed.

Comments: 7 pages, 2 figures. Submitted to Chemical Engineering of Science. Corrected some spelling errors in 3rd version

Adaptation and Self-Organizing Systems (nlin.AO); Fluid Subjects: Dynamics (physics.flu-dyn)

arXiv:0912.5407v3 [nlin.AO] Cite as:

Submission history

From: Wei Ge [view email] [v1] Wed, 30 Dec 2009 03:03:58 GMT (106kb) [v2] Thu, 31 Dec 2009 12:31:02 GMT (90kb) **[v3]** Tue, 5 Jan 2010 02:56:13 GMT (73kb)

Which authors of this paper are endorsers?

Link back to: arXiv, form interface, contact.

All papers -

Download:

PDF only

Current browse context: nlin.AO < prev | next > new | recent | 0912

Change to browse by:

nlin physics physics.flu-dyn

References & Citations

CiteBase

