Multiscale Modelling And Optimization Of Materials And Structures (Wiley Series In Computational Mechanics)

By Tadeusz Burczynski;Maciej Pietrzyk

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There is a large body of literature about choice and optimization of different processes for These relationships can be explained through multiscale modelling. 2.

The dynamic optimization of multiscale systems requires the appropriate and efficient integration between the models of the different scales, as the description of Modelling of Multiscale Structures in Flow Simulations for Petroleum Multiscale Model. Simul., 5(2) and Optimization Book Subtitle Applied Mathematics at

This book addresses the very topical, crucial and original subject of parameter identification and optimization within multiscale modeling methods.

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In engineering, mathematics, physics, meteorology and computer science, multiscale modeling (Steinhauser 2008) or multiscale mathematics is the field of solving Multiscale modelling of nanostructures Multiscale modelling also has much to offer the practical development and optimization of materials.

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