

principles of multiscale modeling pdf

Even though there is little doubt that multiscale modeling will play a major role in scientific modeling, the challenges are quite daunting in order to put multiscale modeling on a solid foundation. Here is a brief summary of some of these challenges. 1. Basic understanding of the physical models at different scales.

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of Multiscale Modeling is a unified and well-organized synthesis of the physical ideas and mathematical techniques behind the multiscale approach to understanding physical phenomena .

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Principles of Multiscale Modeling: Physics Today: Vol 65, No 6

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