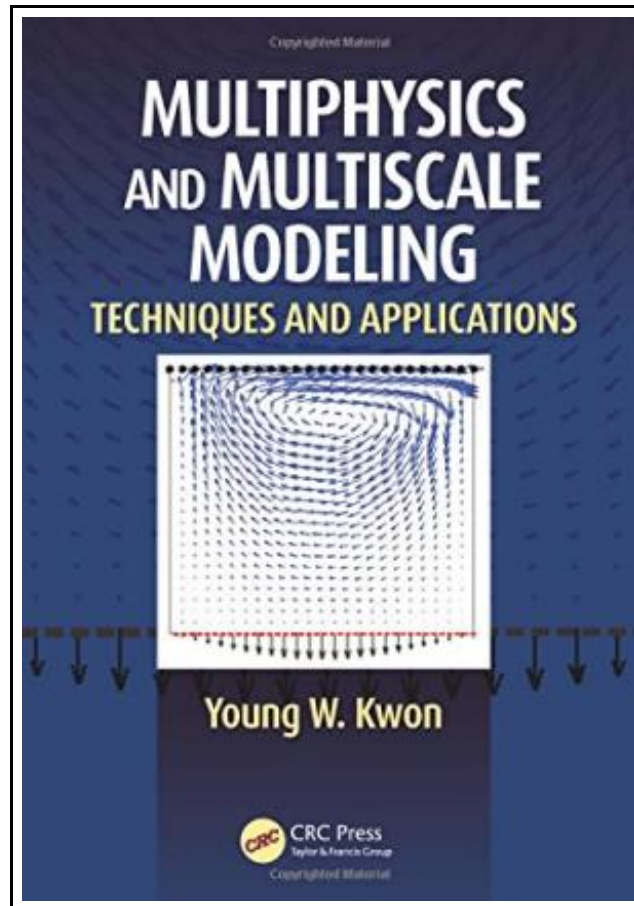


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- * Provides a simplified analysis for crystalline structures using the finite element method and molecular dynamics
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- * Includes fluidstructure interaction for composite structures surrounded by water
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- * Introduces a multiphysics analysis of biomechanics using the example of blood vessels (for which there is fluid-structure interaction)

Multiphysics and Multiscale Modeling: Techniques and Applications emphasizes the use of multiphysics and multiscale techniques to aid in the understanding and development of complex physical behaviors and systems. This book serves as a resource in mechanical engineering, bioengineering, and materials engineering study, practice, and research.



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