



Computational Modeling and Visualization of Physical Systems with Python

Jay Wang

E-Book Rental (120 Days)	978-1-119-17918-4	January 2016	\$26.00
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DESCRIPTION

Computational Modeling, by Jay Wang introduces computational modeling and visualization of physical systems that are commonly found in physics and related areas. The authors begin with a framework that integrates model building, algorithm development, and data visualization for problem solving via scientific computing. Through carefully selected problems, methods, and projects, the reader is guided to learning and discovery by actively doing rather than just knowing physics.

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FEATURES

- Introduces a framework that integrates model building, algorithm development and data visualization for problem solving via scientific computing.

- Broadens the scope and depth of problems that may be studied with computational modeling.
- Follows a problem-centric approach to the presentation of the material throughout the text.
- The reader is guided in the process of building over ninety fully-working sample programs since coding is essential to understanding an algorithm or to gaining insight to a physical process.
- Python is used as the default programming language to show concrete, working examples and to take several advantages it offers: being easy to learn and use, readable, flexible and powerful.

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