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After reading and using Numerical Python, you will have seen examples and case studies from many areas of computing, and gained familiarity with basic computing techniques such as array-based and symbolic computing, all-around practical skills such as visualisation and numerical file I/O, general computational methods such as equation solving, optimization, interpolation and integration, and domain-specific computational problems, such as differential equation solving, data analysis ...

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Numerical Python. A Practical Techniques Approach for Industry. ISBN13: 978-1-484205-54-9. Author: Robert Johansson. Publisher: Apress. For more information, see the book's page on publisher's web site. Summary. Numerical Python by Robert Johansson shows you how to leverage the numerical and mathematical capabilities in Python, its standard library, and the extensive ecosystem of computationally oriented Python libraries, including popular packages such as NumPy, SciPy, SymPy, Matplotlib ...

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FiPy, matplotlib and more to numerically compute solutions and mathematically model applications in a number of areas like big data, cloud computing, financial engineering, b...

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There is a nice section at the end on analysis and display of random graphs. 2
Numerical Python: A Practical Techniques Approach for Industry
Chapters 14-16 are titled Statistical Modeling, Machine Learning and Bayesian Statistics, respectively.

Numerical Python: A Practical Techniques Approach for Industry
Numerical Python: A Practical Techniques Approach for Industry. Robert Johansson. This repository contains source code listings in the form of IPython notebooks for the book Numerical Python: A Practical Techniques Approach for Industry (ISBN 978-1-484205-54-9). For the official code listings download page, see <http://www.apress.com/9781484205549>.

GitHub - jrjohansson/numerical-python-book-code

This course offers an advanced introduction to numerical methods for solving linear ordinary and partial differential equations, with computational implementation in Python. Python is one of high-level programming languages that is gaining momentum in scientific computing.

Numerical Methods Using Python - Boston University

Python has a large community: people post and answer each other's questions about Python all the time. For numerical computing, Python can do everything Matlab can do; but free. Python is exploding in popularity and is used for teaching programming at the top schools. Python is used in industry; it can help you get a job.

Practical Numerical Methods with Python - | GW Open edX

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2 Numerical Python: A Practical Techniques Approach for Industry
Chapters 14-16 are titled Statistical Modeling, Machine Learning

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and Bayesian Statistics , respectively .

(PDF) Numerical Python : A Practical Techniques Approach ...

Python Programming and Numerical Methods: A Guide for Engineers and Scientists introduces programming tools and numerical methods to engineering and science students, with the goal of helping the students to develop good computational problem-solving techniques through the use of numerical methods and the Python programming language.

Python Programming and Numerical Methods: A Guide for ...

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Numerical Python by Robert Johansson shows you how to leverage the numerical and mathematical capabilities in Python, its standard library, and the extensive ecosystem of computationally oriented Python libraries, including popular packages such as NumPy, SciPy, SymPy, Matplotlib, Pandas, and more, and how to apply these software tools in computational problem solving.

Numerical Python | Springer for Research & Development

Program the numerical methods to create simple and efficient Python codes that output the numerical solutions at the required degree of accuracy. Create and manipulate arrays (vectors and matrices) by using NumPy. Use the plotting functions of matplotlib to present your results graphically.

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