

1. Record Nr.	UNISA996418276703316
Autore	Linge Svein
Titolo	Programming for Computations - Python [[electronic resource]] : A Gentle Introduction to Numerical Simulations with Python 3.6 / / by Svein Linge, Hans Petter Langtangen
Pubbl/distr/stampa	Cham, : Springer Nature, 2020 Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-16877-8
Edizione	[2nd ed. 2020.]
Descrizione fisica	1 online resource (332)
Collana	Texts in Computational Science and Engineering, , 1611-0994 ; ; 15
Disciplina	004
Soggetti	Computer mathematics Numerical analysis Computer software Computational Science and Engineering Numeric Computing Mathematical Software Numerical Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- 1 The first few steps -- 2 A few steps more -- 3 Loops and branching -- 4 Functions and the writing of code -- 5 Some more Python essentials -- 6 Computing integrals and testing code -- 7 Solving nonlinear algebraic equations -- 8 Solving ordinary differential equations -- 9 Solving partial differential equations -- A Installation and use of Python -- References -- Index.
Sommario/riassunto	This book is published open access under a CC BY 4.0 license. This book presents computer programming as a key method for solving mathematical problems. This second edition of the well-received book has been extensively revised: All code is now written in Python version 3.6 (no longer version 2.7). In addition, the two first chapters of the previous edition have been extended and split up into five new chapters, thus expanding the introduction to programming from 50 to 150 pages. Throughout the book, the explanations provided are now

more detailed, previous examples have been modified, and new sections, examples and exercises have been added. Also, a number of small errors have been corrected. The book was inspired by the Springer book TCSE 6: A Primer on Scientific Programming with Python (by Langtangen), but the style employed is more accessible and concise, in keeping with the needs of engineering students. The book outlines the shortest possible path from no previous experience with programming to a set of skills that allows students to write simple programs for solving common mathematical problems with numerical methods in the context of engineering and science courses. The emphasis is on generic algorithms, clean program design, the use of functions, and automatic tests for verification.

2. Record Nr.	UNINA9910701790403321
Titolo	Assessing efforts to eliminate improper payments [[electronic resource]] : hearing before the Federal Financial Management, Government Information, Federal Services, and International Security Subcommittee of the Committee on Homeland Security and Governmental Affairs, United States Senate, One Hundred Twelfth Congress, first session, May 25, 2011
Pubbl/distr/stampa	Washington : , : U.S. G.P.O., , 2012
Descrizione fisica	1 online resource (iii, 91 pages)
Collana	S. hrg. ; ; 112-300
Soggetti	Administrative agencies - United States - Accounting Administrative agencies - Corrupt practices - United States - Prevention Finance, Public - United States - Accounting Waste in government spending - United States - Prevention Fraud - United States - Prevention United States Appropriations and expenditures Auditing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Apr. 10, 2012).
Nota di bibliografia	Includes bibliographical references.

