1. Record Nr. UNINA990001608010403321

Autore	Calogeras, Joao Pandiá
Titolo	As Minas do Brasil e sua legislacao / Joso Pandia Calogeras.
Pubbl/distr/stampa	Rio de Janeiro : Imprensa Nacional, 1904-1905
Descrizione fisica	3 v. ; 23 cm
Disciplina	351.823 8
Locazione	FAGBC
Collocazione	60 340 B 34
Lingua di pubblicazione	Spagnolo
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910299226303321

Autore	Cygan Marek
Titolo	Parameterized Algorithms / / by Marek Cygan, Fedor V. Fomin, ukasz Kowalik, Daniel Lokshtanov, Dániel Marx, Marcin Pilipczuk, Micha Pilipczuk, Saket Saurabh
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-21275-3
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XVII, 613 p. 84 illus., 25 illus. in color.)
Disciplina	519.544
Soggetti	Algorithms Algorithm Analysis and Problem Complexity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Kernelization -- Bounded Search Trees -- Iterative Compression -- Randomized Methods in Parameterized Algorithms -- Miscellaneous -- Treewidth -- Finding Cuts and Separators --

Advanced Kernelization Algorithms -- Algebraic Techniques: Sieves, Convolutions, and Polynomials -- Improving Dynamic Programming on Tree Decompositions -- Matroids -- Fixed-Parameter Intractability -- Lower Bounds Based on the Exponential-Time Hypothesis -- Lower Bounds for Kernelization.

Sommario/riassunto

This comprehensive textbook presents a clean and coherent account of most fundamental tools and techniques in Parameterized Algorithms and is a self-contained guide to the area. The book covers many of the recent developments of the field, including application of important separators, branching based on linear programming, Cut & Count to obtain faster algorithms on tree decompositions, algorithms based on representative families of matroids, and use of the Strong Exponential Time Hypothesis. A number of older results are revisited and explained in a modern and didactic way. The book provides a toolbox of algorithmic techniques. Part I is an overview of basic techniques, each chapter discussing a certain algorithmic paradigm. The material covered in this part can be used for an introductory course on fixed-parameter tractability. Part II discusses more advanced and specialized algorithmic ideas, bringing the reader to the cutting edge of current research. Part III presents complexity results and lower bounds, giving negative evidence by way of W[1]-hardness, the Exponential Time Hypothesis, and kernelization lower bounds. All the results and concepts are introduced at a level accessible to graduate students and advanced undergraduate students. Every chapter is accompanied by exercises, many with hints, while the bibliographic notes point to original publications and related work.

3. Record Nr. UNINA9910303439303321

Autore	Benedek G (Giorgio)
Titolo	Atomic Scale Dynamics at Surfaces : Theory and Experimental Studies with Helium Atom Scattering / / by Giorgio Benedek, Jan Peter Toennies
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2018
ISBN	3-662-56443-2
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XXVI, 625 p. 230 illus., 53 illus. in color.)
Collana	Springer Series in Surface Sciences, , 0931-5195 ; ; 63
Disciplina	530.417
Soggetti	Surfaces (Physics) Interfaces (Physical sciences) Thin films Atoms Physics Chemistry, Physical and theoretical Materials science Materials—Surfaces Surface and Interface Science, Thin Films Atomic, Molecular, Optical and Plasma Physics Physical Chemistry Characterization and Evaluation of Materials Surfaces and Interfaces, Thin Films
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Historical Survey -- The Theory of Surface Phonons -- Surface Forces and Structures from the Dispersion of Surface Phonons -- Theoretical Methods of Surface Dynamics -- The Atom-Surface Potential -- Theory of Atom-Surface Phonon Scattering -- Theory of Atom-Surface Phonon Scattering -- Experimental Methods -- Intensities and Resolution of HAS Experiments -- Experimental Results -- Vibrations of Adsorbates and Thin Films -- New Horizons.
Sommario/riassunto	Experimental advances in helium atom scattering spectroscopy over the last forty years have allowed the measurement of surface phonon

dispersion curves of more than 200 different crystal surfaces and overlayers of insulators, semiconductors and metals. The first part of the book presents, at a tutorial level, the fundamental concepts and methods in surface lattice dynamics, and the theory of atom-surface interaction and inelastic scattering in their various approximations, up to the recent electron-phonon theory of helium atom scattering from conducting surfaces. The second part of the book, after introducing the experimentalist to He-atom spectrometers and the rich phenomenology of helium atom scattering from corrugated surfaces, illustrates the most significant experimental results on the surface phonon dispersion curves of various classes of insulators, semiconductors, metals, layered crystals, topological insulators, complex surfaces, adsorbates, ultra-thin films and clusters. The great potential of helium atom scattering for the study of atomic scale diffusion, THz surface collective excitations, including acoustic surface plasmons, and the future prospects of helium atom scattering are presented in the concluding chapters. The book will be valuable reading for all researchers and graduate students interested in dynamical processes at surfaces.