

1. Record Nr.	UNINA9910780863703321
Autore	Segall Paul <1954->
Titolo	Earthquake and volcano deformation [[electronic resource] /] / Paul Segall
Pubbl/distr/stampa	Princeton, : Princeton University Press, c2010
ISBN	1-282-60821-5 9786612608216 1-4008-3385-X
Edizione	[Course Book]
Descrizione fisica	1 online resource (457 p.)
Classificazione	RB 10121
Disciplina	551.8
Soggetti	Rock deformation - Mathematical models Strains and stresses - Mathematical models Volcanism Earthquakes Deformations (Mechanics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Contents -- Preface -- Acknowledgments -- Origins -- References -- 1. Deformation, Stress, and Conservation Laws -- 2. Dislocation Models of Strike-Slip Faults -- 3. Dip-Slip Faults and Dislocations in Three Dimensions -- 4. Crack Models of Faults -- 5. Elastic Heterogeneity -- 6. Postseismic Relaxation -- 7. Volcano Deformation -- 8. Topography and Earth Curvature -- 9. Gravitational Effects -- 10. Poroelastic Effects -- 11. Fault Friction -- 12. Interseismic Deformation and Plate Boundary Cycle Models -- APPENDIX A. Integral Transforms -- APPENDIX B. A Solution of the Diffusion Equation -- APPENDIX C. Displacements Due to Crack Model of Strike-Slip Fault by Contour Integration -- Author Index
Sommario/riassunto	Earthquake and Volcano Deformation is the first textbook to present the mechanical models of earthquake and volcanic processes, emphasizing earth-surface deformations that can be compared with observations from Global Positioning System (GPS) receivers, Interferometric Radar (InSAR), and borehole strain- and tiltmeters. Paul Segall provides the physical and mathematical fundamentals for the

models used to interpret deformation measurements near active faults and volcanic centers. Segall highlights analytical methods of continuum mechanics applied to problems of active crustal deformation. Topics include elastic dislocation theory in homogeneous and layered half-spaces, crack models of faults and planar intrusions, elastic fields due to pressurized spherical and ellipsoidal magma chambers, time-dependent deformation resulting from faulting in an elastic layer overlying a viscoelastic half-space and related earthquake cycle models, poroelastic effects due to faulting and magma chamber inflation in a fluid-saturated crust, and the effects of gravity on deformation. He also explains changes in the gravitational field due to faulting and magmatic intrusion, effects of irregular surface topography and earth curvature, and modern concepts in rate- and state-dependent fault friction. This textbook presents sample calculations and compares model predictions against field data from seismic and volcanic settings from around the world. Earthquake and Volcano Deformation requires working knowledge of stress and strain, and advanced calculus. It is appropriate for advanced undergraduates and graduate students in geophysics, geology, and engineering. Professors: A supplementary Instructor's Manual is available for this book. It is restricted to teachers using the text in courses. For information on how to obtain a copy, refer to: [http://press.princeton.edu/class\\_use/solutions.html](http://press.princeton.edu/class_use/solutions.html)

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2. Record Nr.	UNINA9910790512703321
Autore	Womack Ytasha
Titolo	Afrofuturism : the world of black sci-fi and fantasy culture / / Ytasha L. Womack
Pubbl/distr/stampa	Chicago : , : Chicago Review Press, , [2013] ©2013
ISBN	1-61374-799-3 1-61374-797-7 9781613747964
Edizione	[First edition.]
Descrizione fisica	1 online resource (226 p.)
Disciplina	809.3/8762093529
Soggetti	African Americans - Race identity African diaspora - Social conditions Futurologists Science fiction films - Influence Science fiction - Social aspects
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	Evolution of a space cadet -- A human fairy tale named black -- Project imagination -- Mothership in the key of Mars -- The African cosmos for modern mermaids (mermen) -- Divine feminine in space -- Pen my future -- Moonwalkers in paint and pixels -- A clock for time travelers -- The surreal life -- Agent change -- Future world.