# Structural Geology An Introduction To Geometrical Techniques 4th Edition

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this book focuses on the unifying power of the geometrical language in bringing together concepts from many different areas of physics ranging from classical physics to the theories describing the four fundamental interactions of nature gravitational electromagnetic strong nuclear and weak nuclear the book provides in a single volume a thorough introduction to topology and differential geometry as well as many applications to both mathematical and physical problems it is aimed as an elementary text and is intended for first year graduate students in addition to the traditional contents of books on special and general relativities this book discusses also some recent advances such as de sitter invariant special relativity teleparallel gravity and their implications in cosmology for those wishing to reach a higher level of understanding

a useful guide for researchers and professionals graduate and senior undergraduate students this book provides an in depth look at applied and geometrical probability with an emphasis on statistical distributions a meticulous treatment of geometrical probability kept at a level to appeal to a wider audience including applied researchers who will find the book to be both functional and practical with the large number of problems chosen from different disciplines a few topics such as packing and covering problems that have a vast literature are introduced here at a peripheral level for the purpose of familiarizing readers who are new to the area of research

this book introduces advanced undergraduates to riemannian geometry and mathematical general relativity the overall strategy of the book is to explain the concept of curvature via the jacobi equation which through discussion of tidal forces further helps motivate the einstein field equations after addressing concepts in geometry such as metrics covariant differentiation tensor calculus and curvature the book explains the mathematical framework for both special and general

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this book focuses on the unifying power of the geometrical language in bringing together concepts from many different areas of physics ranging from classical physics to the theories describing the four fundamental interactions of nature gravitational electromagnetic strong nuclear and weak nuclear the book provides in a single volume a thorough introduction to topology and differential geometry as well as many applications to both mathematical and physical problems it is aimed as an elementary text and is intended for first year graduate students in addition to the traditional contents of books on special and general relativities this book discusses also some recent advances such as de sitter invariant special relativity teleparallel gravity and their implications in cosmology for those wishing to reach a higher level of understanding publisher s website

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