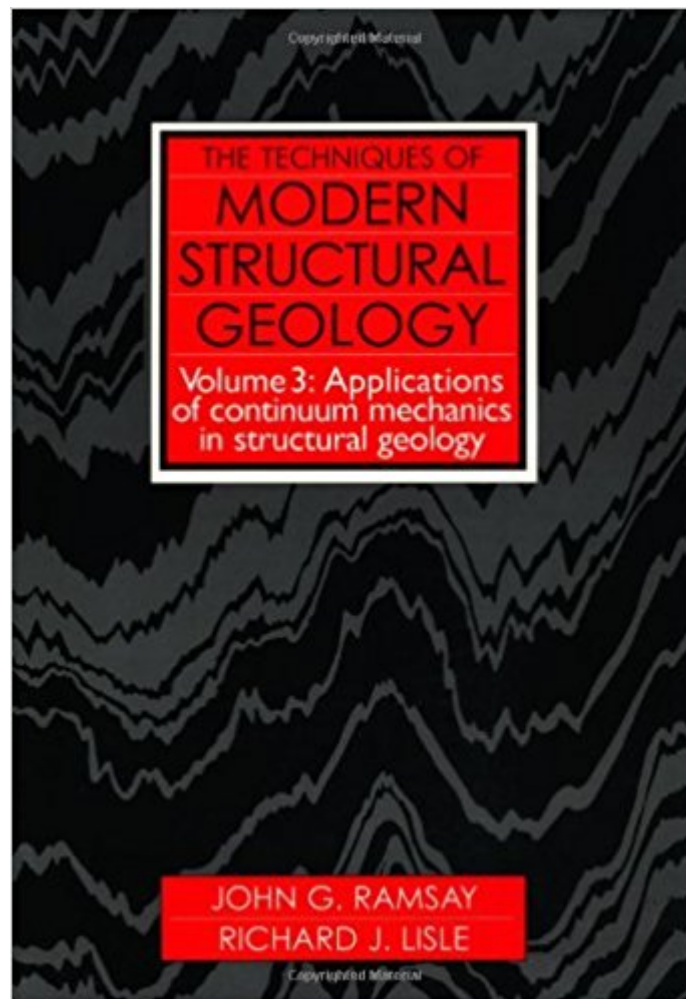


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The Techniques Of Modern Structural Geology, Volume 3: Applications Of Continuum Mechanics In Structural Geology



Synopsis

Modern Structural Geology, Volume 3 gives a practical introduction to how mathematical tools (continuum mechanics) can be used to model geological structures (i.e., naturally deformed rocks). It provides a strong emphasis on the application of mathematics to solving real geological problems. This is the third volume of a highly successful textbook series. It sets out in detail many fundamental and modern research techniques, some for the first time. It is richly illustrated with photographs and diagrams of naturally deformed rocks. Very few books in the field contain even a fraction of this illustrative material. Because of the somewhat complex nature of some of the mathematical techniques, computer methods are sometimes needed to formulate solutions to the problems. These programs are fully listed in BASIC language at the end of the relevant Session, and a disk of these programs suitable for MAC and PC hardware is provided. Modern Structural Geology, Volume 3 is intended for advanced undergraduate and graduate students studying structural geology; the secondary market are mechanical and civil engineers wanting a working knowledge of earth sciences; mathematicians wanting to develop practical applications of continuum mechanics. * Volumes 1 and 2 are best-sellers and widely adopted* Mathematical modelling programs included on CD-Rom* Exercises at the end of each chapter* Superb photography

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