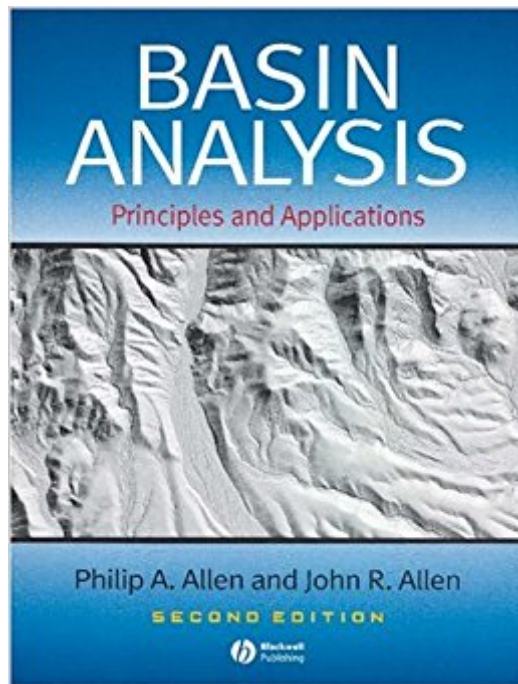




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Basin Analysis: Principles And Applications



Synopsis

Basin Analysis is an up-to-date overview of the essential processes of the formation and evolution of sedimentary basins, and their implications for the development of hydrocarbon resources. The new edition features: A consideration of the fundamental physical state of the lithosphere. A discussion on the major types of lithospheric deformation relevant to basin development – stretching and flexure. A new chapter on the effects of mantle dynamics. Radically revised chapters on the basin-fill. A new chapter on the erosional engine for sediment delivery to basins, reflecting the massive and exciting advances in this area in the last decade. Expansion of the techniques used in approaching problems in basin analysis. Updated chapters on subsidence analysis and measurements of thermal maturity of organic and non-organic components of the basin-fill. New material on thermochronological and exposure dating tools. Inclusion of the important petroleum system concept in the updated section on the application to the petroleum play.

Visit: www.blackwellpublishing.com/allen for practical exercises related to problems in Basin Analysis 2e. To run the programs you will need a copy of Matlab 6 or 7. An Instructor manual CD-ROM for this title is available. Please contact our Higher Education team at HigherEducation@wiley.com for more information.

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"This 2nd edition is certainly an awaited text book and a welcome update that can be recommended

without any hesitation to both undergraduate and graduate students as well as the practitioner in the field." Journal of Soils and Sediments, November 2005

Basin Analysis is an up-to-date overview of the essential processes of the formation and evolution of sedimentary basins, and their implications for the development of hydrocarbon resources. Since the first edition of this important and popular text, there has been an explosion of new data, new technology and new concepts in the field. This new edition takes account of these developments while retaining the successful structure and philosophy of the original text. Basin Analysis builds an understanding of sedimentary basins by examining the principles underlying how basins function by looking at their structure, thermal and subsidence history, and stratigraphic architecture..

For basin analysis this is as best as it can get, i had to read about basin analysis since i will be working with basin analysis softwares, i asked around and i was adviced to get this, after reading through it i find it will writen and stright to the point. I highly recomend people interested in basin analysis to get it.

I bought this book as a reference to refresh my mind on Basin Anaysis before returning to work. It has all the essentials if you like the mathematical approach. I found it a bit dry and the diagrams could have used a bit of colour. All in all it is was it is, a text book.

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