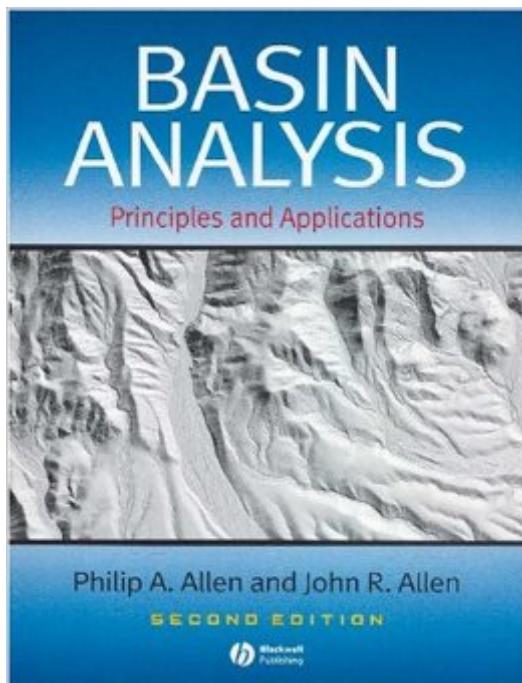


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# Basin Analysis: Principles And Applications



## **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](http://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](mailto:HigherEducation@wiley.com) for more information.

## **Book Information**

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## **Customer Reviews**

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 advised 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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