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By Gerald Schubert, Donald L. Turcotte, Peter Olson



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Editorial Review

Review

"This book is the most ambitious and comprehensive reference to appear on the topic of mantle convection...well organized and concise..." The Leading Edge

"The coverage by Schubert, Turcotte, and Olson is very helpful and important. The authors discuss most of the critical work that has been done on this broad subject. Numerous illustrations depict geophysical and planetary data, conclusions from numerical modeling, and results from laboratory experiments; many of these are taken from the primary literature. Some chapters are rather descriptive and others quite technical. I really appreciated the analyses of the approximations that lead to the equations

for mantle convection. I have not previously encountered such careful treatment in a book...The authors also offer the most complete analysis of convection I have seen...the book will be indispensable to most Earth and planetary scientists and graduate students." Science

About the Author

Peter Olson is the recipient of the 2015 Inge Lehmann Medal from the American Geophysical Union.

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