



# Integral Transforms and Their Applications (Texts in Applied Mathematics)

*By Brian Davies*

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## **Integral Transforms and Their Applications (Texts in Applied Mathematics)**

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This is a substantially updated, extended and reorganized third edition of an introductory text on the use of integral transforms. Chapter I is largely new, covering introductory aspects of complex variable theory. Emphasis is on the development of techniques and the connection between properties of transforms and the kind of problems for which they provide tools. Around 400 problems are accompanied in the text. It will be useful for graduate students and researchers working in mathematics and physics.

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*"Extremely well-written and a joy to read . . . Whether the reader is seeking a useful text for a graduate course or a valuable reference on integral transforms, I would highly recommend Brian Davies' book."*

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"A testament to the quality and usefulness of this monograph is that a third edition has now appeared. ... In addition to the material previously included, there have been significant extensions in some of the topics ... . The writing style and the overall structure of the presentation have been modified ... and, as a consequence, the current edition is extremely well-written and a joy to read. ... I would highly recommend Brian Davies' book." (W.P. Wood, The Australian Mathematical Society Gazette, Vol. 30 (1), 2003)

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