Título: Illustrated Wavelet Transform Handbook

Autor: Addison Paul

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Sinopsis

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The book is designed specifically for the applied reader in science, engineering, medicine, finance, or any other of the growing number of application areas. Newcomers to the subject will find an accessible and clear account of the theory of continuous and discrete wavelet transforms, providing a large number of examples of their use across a wide range of disciplines. Readers already acquainted with wavelets can use the book to broaden their perspective.

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This book provides a comprehensive overview of wavelet transform methodologies and

applications. The emphasis is on practical applications which are illustrated with many detailed figures and examples from Science and Engineering. A particular interesting chapter on medical applications is provided. In the introductory chapters, Addison gives a clear account of the theory for both continuous and discrete wavelet transform and associated post-processing techniques. Unlike many of the other books in this area, Addison communicates the concepts with a level of detail, sufficient for the applied engineer and scientist, but without becoming bogged down in a fog of mathematical gymnastics (a feature of many of the books in this area). A welcome addition to the growing number of books on this important signal analysis technique.

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