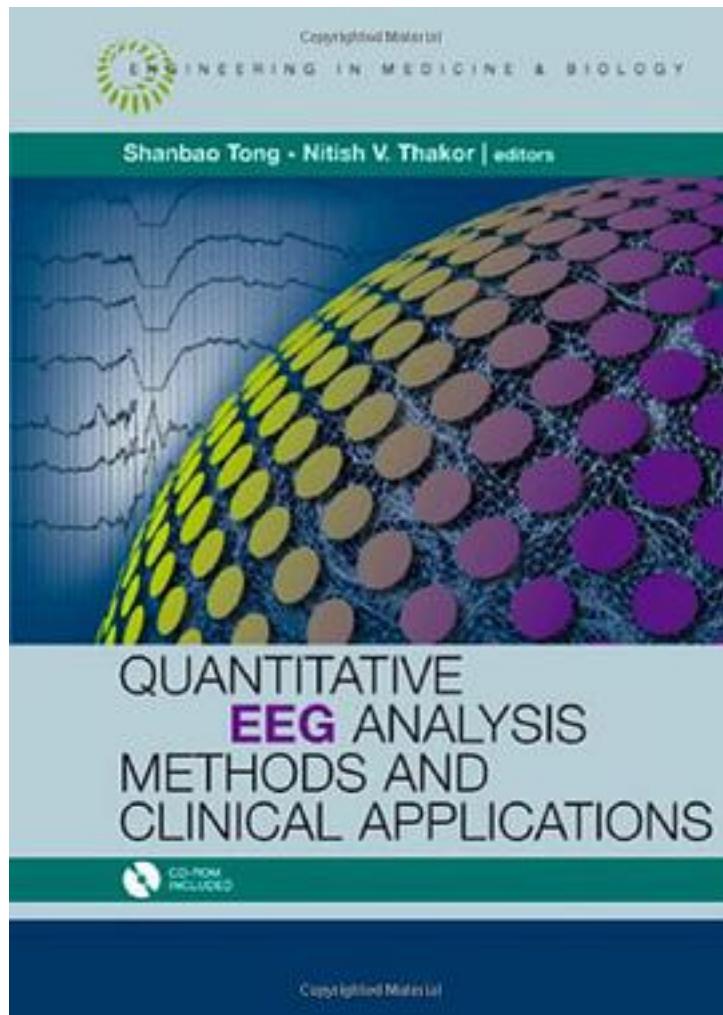


Quantitative EEG Analysis Methods and Applications



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Quantitative EEG (electroencephalography) is a cutting-edge technique used for topographic display and analysis of brain electrophysiological data. The use of quantitative EEG for diagnosing various psychiatric disorders is beginning to gain wide acceptance among professionals and researchers working in this area. This authoritative volume provides an overview of basic and advanced techniques used in quantitative EEG (qEEG) analysis. The book provides a wide range of mathematical tools used in qEEG, from single channel descriptors to the interactions among multi-channel EEG analysis. Moreover, readers find coverage of the latest and most popular application in the field, including mental and neurological disease detection/monitoring, physiological and cognitive phenomena research, and fMRI.

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