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Nota di contenuto	Fabio, M. et al., Approximate Solutions to Fractional Boundary Value Problems by Wavelet Decomposition Methods -- Calderón, L., Wavelet B-splines bases on the interval for solving boundary value problems -- La Mura, G. et al, Kalman-Wavelet combined Filtering -- Arouxet, M. et al., Using the Wavelet Transform for Time Series Analysis -- Muszkats, J. et al., Application of Wavelet Transform to Damage Detection in Brittle Materials via Energy and Entropy Evaluation of Acoustic Emission Signals.
Sommario/riassunto	This work results from a selection of the contributions presented in the mini symposium "Applications of Multiresolution Analysis with "Wavelets", presented at the ICIAM 19, the International Congress on Industrial and Applied Mathematics held at Valencia, Spain, in July 2019. The presented developments and applications cover different areas, including filtering, signal analysis for damage detection, time series analysis, solutions to boundary value problems and fractional calculus. This bunch of examples highlights the importance of multiresolution analysis to face problems in several and varied disciplines. The book is addressed to researchers in the field.

