

Abstract Harmonic Analysis of Continuous Wavelet Transforms

By Hartmut Fuhr

Springer-Verlag Gmbh Feb 2005, 2005. Taschenbuch. Condition: Neu. Neuware - This volume contains a systematic discussion of wavelet-type inversion formulae based on group representations, and their close connection to the Plancherel formula for locally compact groups. The connection is demonstrated by the discussion of a toy example, and then employed for two purposes: Mathematically, it serves as a powerful tool, yielding existence results and criteria for inversion formulae which generalize many of the known results. Moreover, the connection provides the starting point for a - reasonably self-contained - exposition of Plancherel theory. Therefore, the volume can also be read as a problem-driven introduction to the Plancherel formula. 203 pp. Englisch.



Reviews

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