Fractional Nonuniform Multiresolution Analysis in $L^2(\mathbb{R})$

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September 19, 2020

Abstract

In order to provide a significantly richer representation of non-stationary signals appearing in various disciplines of science and engineering, we introduce here a novel fractional nonuniform multiresolution analysis (FrNUMRA) on the spectrum $\lambda = \frac{1}{0} + \frac{1}{0$

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