TWO-SCALE RELATIONS FOR B-$\mathcal{L}$-SPLINES WITH UNIFORM KNOTS

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Analogs of scaling relations are constructed for basis exponential splines with uniform knots corresponding to a linear differential operator of arbitrary order with constant coefficients and real pairwise distinct roots of the characteristic polynomial; the construction does not employ techniques from harmonic analysis.

Keywords: basis exponential splines, two-scale relations, scaling function, linear differential operator.

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