

Finite section method for a Banach algebra
of convolution type operators on $L^p(\mathbb{R})$
with symbols generated by PC and SO

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We prove the applicability of the finite section method to an arbitrary operator in the Banach algebra generated by the operators of multiplication by piecewise continuous functions and the convolution operators with symbols in the algebra generated by piecewise continuous and slowly oscillating Fourier multipliers on $L^p(\mathbb{R})$, $1 < p < \infty$.

This is a joint work with Helena Mascarenhas and Pedro Santos.