

Inhomogeneous microlocal analysis in Fourier Lebesgue spaces

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Abstract In the present talk some results of microlocal continuity for pseudodifferential operators whose symbols belong to weighted Fourier Lebesgue spaces are given. The focus point is to show that such spaces are algebras with respect to the pointwise multiplication. Anisotropic local and microlocal propagation of singularities of Fourier Lebesgue type are then introduced, with applications to some classes of semilinear equations.

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