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*Spectral Invariance and Ellipticity of Pdos on manifolds with conical points and
in \mathbb{R}^n*

In this talk we describe recent results about the spectral invariance of boundary pseudodifferential operators on manifolds with conical singularities and some of its applications. As a by product, we show that Fredholm property of global Pdos in \mathbb{R}^n acting on Besov and Triebel-Lizorkin spaces implies ellipticity of these operators.