## Continuity and microlocal properties for pseudodifferential operators in $\mathcal{L}^p$ framework

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**Abstract**: a result of  $L^p$  continuity for pseudodifferential operators whose symbols belong to  $S^0_{0,0}$ , and no better in the sense of the Hörmander classes  $S^0_{\rho,\delta}$ , is shown. Then some microlocal properties in weighted  $L^p$  Sobolev classes are presented, in this case for pseudodifferential operators with smooth and non smooth symbols, contained in the classes  $S^m_{\rho,\delta}$ , with  $\rho$  positive, but strictly less than one.