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Parabolic martingales and nonsymmetric Fourier multipliers

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(Submitted on 3 Jun 2012)

We give a class of Fourier multipliers with non-symmetric symbols and explicit norm bounds on \$L^p\$ spaces by using the stochastic calculus of L\'evy processes and Burkholder-Wang estimates for differentially subordinate martingales.

Comments: 14 pages

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