

# Schatten Properties for Noncommutative Martingale Paraproduct

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As is well-known, the martingale paraproducts are Hankel-type operators. In this talk, I will present some Schatten class memberships of the  $d$ -adic martingale paraproducts in the semi-commutative setting. Then I will use the transference method to give a characterization of the  $S_p$ -norms of the martingale paraproducts for some particular noncommutative martingales

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