

## WEIGHTED MIXED NORM INEQUALITIES IN MARTINGALE SPACES

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*Abstract.* For the maximal geometric mean operator  $G$  in martingale spaces, we characterize the weight paries  $(u, v)$  for which  $G$  is bounded from martingale space  $L^p(vd\mu)$  to  $wL^q(ud\mu)$  or  $L^q(ud\mu)$ ,  $1 \leq p \leq q < \infty$ .

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