WEIGHTED NORM INEQUALITIES FOR
BILINEAR FOURIER MULTIPLIER OPERATORS

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Abstract. In this paper, by kernel estimates of the bilinear Fourier multiple operator and the
weighted theory for the bilinear singular integral operators, some weighted norm inequality with
general weights are established for the bilinear Fourier multiplier operators.


Keywords and phrases: Bilinear Fourier multiplier, weighted estimate, Sobolev regularity, bilinear
singular integral.

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