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On the L^1 Norm of the Weighted Maximal Function of Fejér Kernels with Respect to the Walsh-Kaczmarz System

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Abstract:

The main aim of this paper is to investigate the integral of the weighted maximal function of the Walsh-Kaczmarz-Fejér kernels. We give a necessary and sufficient conditions for that the weighted maximal function of the Walsh-Kaczmarz-Fejér kernels is in L^1. After this we discuss the weighted maximal function of (C, α) kernels with respect to Walsh-Paley system too.

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