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Title: On the maximal operator of Walsh–Marcinkiewicz means

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In this paper we prove that the maximal operator $\tilde{\mathcal{M}}^* f := \sup_{n \in \mathbf{P}} \frac{|\mathcal{M}_n f|}{\log^{3/2}(n+1)}$, where $\mathcal{M}_n f$ is the n th Marcinkiewicz–Fejér mean of the 2-dimensional Walsh–Fourier series, is bounded from the Hardy space $H_{2/3}(G^2)$ to the space $L_{2/3}(G^2)$.

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