

Fefferman-Stein-type inequalities for maximal functions of Choquet integrals associated with weighted capacities

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Abstract. We obtain a Fefferman-Stein-type inequality for the local Hardy-Littlewood maximal function on spaces defined in terms of Choquet integrals associated with weighted local Riesz capacities. The local Muckenhoupt weights are taken into account in the definition of such capacities.

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