

SEMINARIO DE ANÁLISIS COMPLEJO Y TEMAS RELACIONADOS

**The centered Hardy-Littlewood maximal operator
in high dimensions**

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Resumen/summary:

We discuss some recent and not so recent results by several authors, regarding the centered Hardy-Littlewood maximal operator M , and more specifically, how the best constants in the weak and strong type inequalities change with the dimension. Open problems will also be mentioned.