L^p-boundedness of the Littlewood-Paley g-function associated with the spherical mean operator for $1 < p < +\infty$

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We prove the L^p-boundedness of the Littlewood-Paley g-function associated with the spherical mean operator for $p \in]1, +\infty[$

Joint work with Slim Omri, Faculty of Science of Tunis.