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The Fourier restriction problem for biradial functions

We determine the exact strong-type Fourier restriction range for the unit sphere $\mathbb{S}^{d-1}$ on the class of $O(d-k)\times O(k)$-invariant functions, for every $d \geq 4$ and $2 \leq k \leq d-2$. This includes the critical estimates beyond the biradial Stein–Tomas endpoint left open by Mandel and Oliveira e Silva. This is a joint work with Kinoshita, Oliveira e Silva, and Shiraki.