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Yuanqing Cai* (yuanqing.cai@bc.edu), 140 Commonwealth Ave, Maloney 524, Chestnut Hill, MA 02467. *Theta representations on metaplectic groups.*

We study Fourier coefficients for residues of Eisenstein series on metaplectic groups and discuss several new phenomena in the metaplectic setting. In certain cases we show that such representations support unique models. Time permitting, we will also discuss applications in Rankin-Selberg constructions. (Received August 30, 2016)