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Nikolaos Diamantis*, School of Mathematical Sciences, University of Nottingham, Nottingham, NG7 2RD, United Kingdom, and **Roelof Bruggeman**. *Shifted convolutions and second-order automorphic forms.*

We discuss a method of spectrally decomposing a certain type of shifted convolutions which is based on the “completion” of a second-order Eisenstein series into a square-integrable Γ -invariant function. This second-order Eisenstein series naturally parametrizes the shifted convolution in question. (Joint work with R. Bruggeman) (Received August 19, 2013)