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Hang Xue*, 2990 Broadway MC4406, New York, NY 10025. *Fourier–Jacobi coefficients on the unitary groups.*

We formulate a conjectural formula relating the Fourier–Jacobi period on the unitary groups and the central value of some Rankin–Selberg L-functions. This formula can be viewed as a refinement to the Gan–Gross–Prasad conjecture. We verify this conjectural formula in some cases. (Received August 04, 2014)