1145-11-231 **Nitya Mani***, nityam@stanford.edu, and **Asra Ali**. *Shifted Convolution L-Series Values for Elliptic Curves.*

Using explicit constructions of the Weierstrass mock modular form and Eisenstein series coefficients, we obtain closed formulas for the generating functions of values of shifted convolution L-functions associated to certain elliptic curves. These identities provide a surprising relation between weight 2 newforms and shifted convolution L-values when the underlying elliptic curve has modular degree 1 with conductor N such that $\text{genus}(X_0(N)) = 1$. (Received August 23, 2018)