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**James D Martin\*** (jamesmartin3@my.unt.edu). *Rankin's Method and Hermitian Jacobi Forms*. Preliminary report.

In this talk I will report on joint work with Jayantha Senadheera. We consider the Petersson scalar product  $\langle f, [g, E_{k_2, m_2}]_\nu \rangle$  of a Hermitian Jacobi cusp form  $f$  of weight  $k$  and index  $m$  with the Rankin-Cohen bracket  $[g, E_{k_2, m_2}]_\nu$  of a Hermitian Jacobi Form of weight  $k_1$  and index  $m_1$  with the Hermitian Jacobi-Eisenstein series  $E_{k_2, m_2}$  of weight  $k_2$  and index  $m_2$ , where  $k = k_1 + k_2 + 2\nu$  and  $m = m_1 + m_2$ . (Received September 19, 2015)