

1157-22-208

**david ginzburg\*** (ginzburg@tauex.tau.ac.il) and **david soudry**. *Derivation of Global Integrals*.

It is well known that for certain  $L$  functions there is more than one Rankin-Selberg integral which represents this  $L$  function. Typically, when unfolding these integrals we obtain an integral which involves a certain functional. This functional may be unique, for example like the Whittaker coefficient, or it may be non-unique. These latter cases are referred to as integrals of The New Way type. In this work we explain why so many such integrals exist and introduce a recipe how to derive these integrals. To do that we use a certain identity derived from a doubling integral and also use certain types of identities between Eisenstein series. (Received January 29, 2020)