Dual blobs and Plancherel formulas

Julee Kim julee@math.ias.edu IAS, United States

Under certain hypothesis on G and k, we find a spectral decomposition of delta distribution on G, which appears in the Plancherel formula. The fators in this decomposition are parameterized by certain equivalence classes of good dual blobs. One consequence of this decomposition is that every tempered representation contains a good minimal K-types.