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*Geometrization of two stably-conjugate, self-dual distributions on  $p$ -adic  $sl(2)$*

Admissible distributions which are eigenfunctions of the Fourier transform on  $p$ -adic Lie algebras play an important role in representation theory. This talk concerns two such distributions on  $p$ -adic  $sl(2)$ , related by stable conjugacy and tied to the Lusztig function for  $sl(2)$ . I will exhibit two very special, non-isomorphic Galois perverse sheaves on  $sl(2)$  and show how they determine these two stably-conjugate, self-dual distributions.