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A generalization of the Sato–Tate Conjecture

The original Sato–Tate Conjecture concerns the angle distribution of the eigenvalues arisen from non-CM elliptic curves. In this talk, we formulate an analogue of the Sato–Tate Conjecture for generic automorphic forms of GL_n and conjecture their angle distributions. Under a reasonable hypothesis, we can prove that the expected distribution is indeed true.