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The Sato-Tate Conjecture and Generalisations

The conjecture of the title predicts that Frobenius angles of a non-CM elliptic curve defined over the rationals are equidistributed, which is now proved by Taylor and many others. In this talk, we will discuss this recent development and some modest variants. In particular, we shall explain how to derive the Sato-Tate distribution for the primes satisfying certain Chebotarev conditions from the work of Taylor et al.