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The Fyodorov-Hiary-Keating Conjecture

By analogy with conjectures for random matrices, Fyodorov-Hiary-Keating proposed precise asymptotics for the maximum of the Riemann zeta function in a typical short interval on the critical line. I will explain a recent proof of the upper bound part of their prediction. This is joint work with Louis-Pierre Arguin and Maksym Radziwill.