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## **Nonlinear stability of Kerr for small angular momentum**

*Tuesday, 6 July 2021 17:50 (35 minutes)*

I will talk about my very recent result in collaboration with Jeremie Szeftel in which we provide a complete proof of the nonlinear stability of the family of Kerr spacetimes  $\text{Kerr}(a, m)$  with small  $a/m$ . The proof, which builds on our previous work “Global non-linear stability of Schwarzschild space under polarized perturbations”, introduces various new geometric and analytic ideas to dispense on any symmetry assumptions.

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