

The Riemann Hypothesis and computers

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The Riemann Hypothesis, perhaps the most famous unsolved problem in mathematics, has had a long association with computers and Mathematics of Computation. Extensive calculations of its zeros have been used not only to provide evidence for its truth, but also for the truth of deeper conjectures that predict fine scale statistics on the distribution of zeros of various zeta functions. However, as is often true in mathematics, numerical data is subject to a variety of interpretations, and it is possible to argue that the numerical evidence we have gathered so far is misleading.