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**Brad Rodgers\***, brad.rodgers@queensu.ca, and **Jeffrey C. Lagarias**. *Mimicking zeta-zero statistics with lattices.*

In this talk I will review what information is known about the local spacing of zeros of the Riemann zeta-function and discuss why this information alone is insufficient to rule out a hypothesis that zeros of the zeta function never have gaps smaller than half the average size, a result obtained independently by T. Tao. I hope also to discuss the relation of this problem to some other extremal problems. (Received February 16, 2021)