

The SUMO Speaker Series for Undergraduates

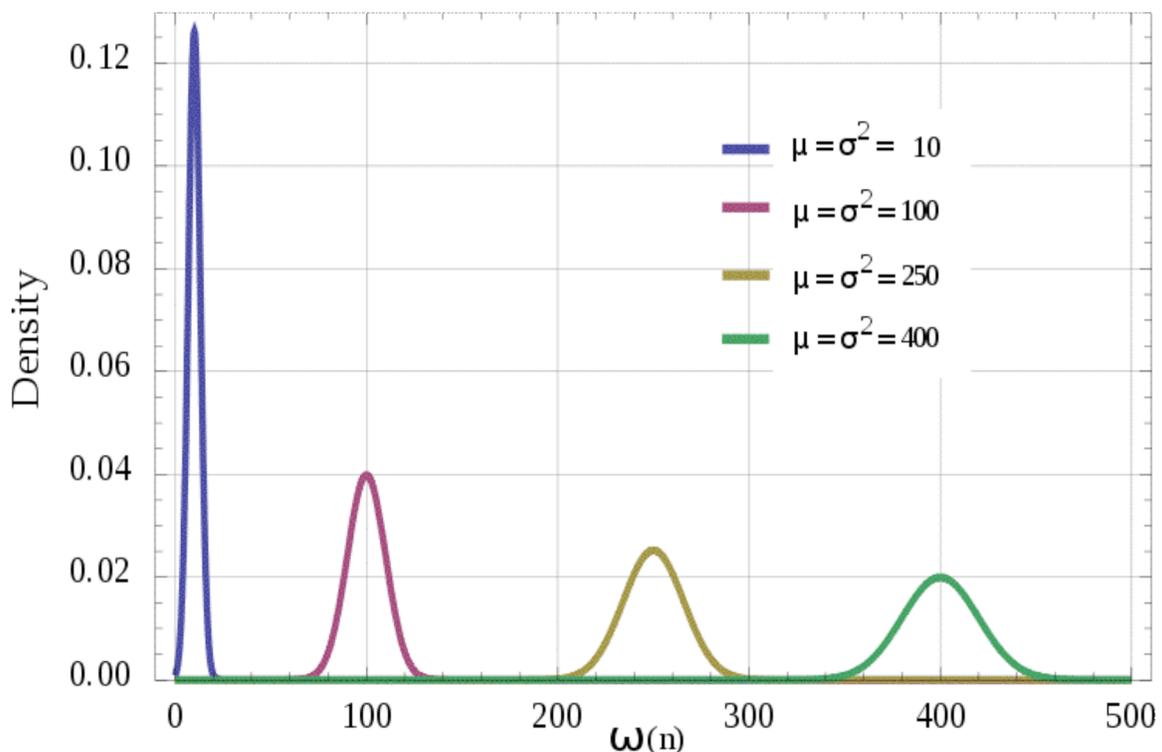
(food from Pizza Chicago)

Wednesday, April 28

4:40-5:30, room 380C

The Erdos-Kac Theorem

Bob Hough



Abstract: In 1940 Paul Erdos and Mark Kac proved that the number of prime factors of a randomly chosen large integer of size x is distributed like a normal distribution of mean $\log \log x$ and variance $\log \log x$. In particular, a typical integer with 64 digits has five prime factors. I'll explain parts of the proof.

sumo.stanford.edu/speakers