Pseudo-random numbers: a line (of code) at a time

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LCB 215

Random numbers have an amazing range of applications in both theory and practice.

Approximately-random numbers generated on a computer are called *pseudo-random*.

This talk discusses how one generates and tests such numbers, and shows how this study is related to important mathematics and statistics — the *Central-Limit Theorem* and the χ^2 *measure* — that have broad applications in many fields.

Come and find out what the *Birthday Paradox*, Diehard batteries, gorillas, Euclid, French soldiers, a Persian mathematician, Prussian cavalry, and Queen Mary have to do with random numbers.