

A truly random talk



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Most people can intuitively classify binary sequences as “random” or “not random.” However, as mathematicians, we want a precise mathematical definition. In this talk, I will define randomness with concepts from computability theory using three different intuitive approaches as starting points: unpredictability, incompressibility, and a lack of distinguishing properties. At the end, I’ll present an example of a random sequence and talk about current directions in the field.

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