

HOW RANDOM IS RANDOM?

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Abstract: A sequence $\{V_n\}$ of r.v.'s is *asymptotically quasideterministic* (AQD) if there exist deterministic functions $\beta_1(n) < \beta_2(n)$ and a constant $C > 0$ such that $\beta_1(n) < V_n < \beta_2(n)$ except for finitely many n with probability 1 and

$$\limsup_{n \rightarrow \infty} (\beta_2(n) - \beta_1(n)) \leq C$$

A few surprising examples of AQD sequences are given.

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