Fall 2013 Welcome

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The Principle of Maximal Ignorance

xe^{x-1}

Grade Distributions Email Accommodations

- Random endpoints. Answer 1/3
- 2 Throwing sticks: Random radii. Answer 1/2
- Throwing darts: Random midpoints. Answer 1/4

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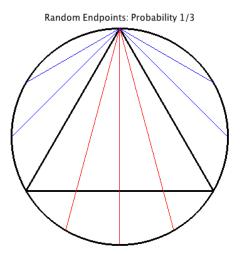
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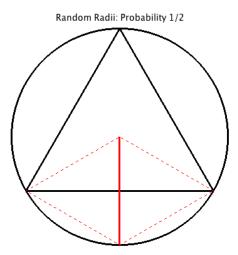
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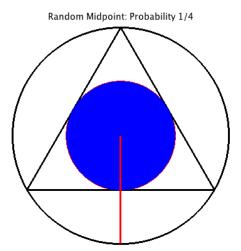
Random Endpoints



Random Radii



Random Midpoints



The chord paradox is due to Joseph Bertrand (1889). Both Borel (1909) and Poincaré (1912) and 8 others comment before 1965.

Edwin Jaynes (1973) proposed his "maximal ignorance" solution. The solution must be translation and scale invariant, hence it is random radii.

The actual solution uses the integral equations of the invariance to derive the random radii solution.

Advisors (other than Pamela) are not your friend

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More than a quarter, will be a horror.