

## Computational Probability: Recent Advances in Probability Theory

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### ABSTRACT:

An overview of the recent creation of the field of computational probability is presented. With ever increasing abilities in technology, combining the power of computer algebra systems and probability theory has proven to open up to researchers new avenues for finding theoretical results. Applications of computational probability are presented in the field of reliability, goodness-of-fit testing, and other data analysis methods. A demonstration of computational probability operations is also given.

KEYWORDS: Data analysis, computer algebra systems, life testing.

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