

## ZERO-ONE LAWS FOR RANDOM GRAPHS WITH VERTICES IN A BOOLEAN CUBE

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We study the limit probabilities of first-order properties for random graphs with vertices in a Boolean cube. We find sufficient conditions for a sequence of random graphs to obey the zero-one law for first-order formulas of bounded quantifier depth. We also find conditions implying a weakened version of the zero-one law.

*Key words and phrases:* random graphs, zero-one laws, distance graphs.

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