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# Computational Techniques for Magic Square Enumeration

## Abstract for the Combinatorics Seminar 2011 December 6

An n×n magic square has $n^2$ distinct positive integers such that row, column, and diagonal sums are equal. Counting the number of magic squares for a given magic sum is difficult. Constraint programming offers a simple way to enumerate them directly, listing all magic squares. I'll show how to do this for 3×3 squares.

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