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The numerical range of the Luoshu is a piece of cake – almost.

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Summary: The numerical range, easy to understand but often tedious to compute, provides useful information about a matrix. Here we describe the numerical range of a 3×3 magic square. Applying our results to one of the most famous of those squares, the Luoshu, it turns out that its numerical range is a piece of cake – almost.

Classification: H65 G75

Keywords: matrices; magic squares; Luoshu magic squares; numerical range

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