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New constructions for special magic squares.

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Summary: Systematic methods are presented for constructing special magic squares of arbitrarily large size, including regular (or associative), pandiagonal, and most-perfect magic squares as well as ultra-magic squares (regular and pandiagonal). The methods of matrix analysis are employed to define these special magic squares and develop novel methods of constructing them.

Classification: A25 K25

Keywords: magic squares; Latin squares; matrix analysis

<http://www.ijpam.eu/contents/2012-78-2/2/index.html>