

## Categorification of Integer Sequences and Magic Squares Via Brauer Configuration Algebras

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In this talk, we describe how elements of the integer sequence A100705 in the OEIS (On-Line Encyclopedia of Integer Sequences) and some magic squares are interpreted as indecomposable projective modules of some Brauer configuration algebras. A relationship between the sequence A100705, solutions of the four subspace problem and energy graph is described as well.