

Symmetric realisations of hypergraphs and projective motions

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Abstract: Projective motions are motions of configurations of points and straight lines in the projective plane that preserve the incidences between points and lines. This talk will focus on symmetric configurations of points and lines. Given symmetric configurations of points and lines, we can consider their symmetry-preserving projective motions. The symmetry-preserving motions provide information about whether symmetry, in some sense, is necessary to construct a particular configuration of points and lines.