

## Motions and rigidity of incidence geometries

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**Abstract:** An incidence geometry is a set of elements of distinct types together with an incidence relation. Examples of incidence geometries are hypergraphs (incidence geometries with 2 types), abstract polytopes (incidence geometries with linear diagrams satisfying the so-called diamond condition) and Tits buildings. Behind many geometric structures such as projective configurations, polytopes and tilings of surfaces there hides an incidence geometry. In this talk I will discuss how to approach questions regarding rigidity and motions of such incidence geometries.