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Johann Radon Institute for Computational and Applied Mathematics Austrian Academy of Sciences (ÖAW)



Group Seminar Symbolic Computation

Factorization of special motion polynomials & Flexible polyhedra

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Abstract

In this talk, I will recall some basic ideas of the factorization of motion polynomials, e.g., n! factorizations, Bennettflip. As an application, we can use the factorization of some special motion polynomials to construct flexible polyhedra, e.g., Bricard octahedron III, Decahedron, Dodecahedron, ...