

## **Globally rigid powers of graphs**

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The characterization of globally rigid molecular graphs is a major open problem in combinatorial rigidity. In this problem we consider the three-dimensional global rigidity of the square of a graph. Similar questions arise in other dimensions and for other graph powers. We shall present new results on problems of this type, including new partial results on the molecular problem. It is joint work with Shin-ichi Tanigawa (Tokyo).