BRIDGES Mathematical Connections in Art, Music, and Science

How to Make the Juno's Spinner

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Juno's spinners are polyhedron models I discovered that links and transforms. With a simple operation, it expands and shrinks.

Juno's spinner (the usual model of that) consists of two elements. A rotational joint connects the end of each element, and the whole model transform together by a motion being transmitted through the joint. Rotational movement of an element changes the distance of each element.



Туре	Element-A	Element-B	Rotational Joints
Icosahedron	20	12	60
Dodecahedron	12	20	60
Octahedron	8	6	24
Cube	6	8	24
Tetrahedron	4	4.	12