

Deployable Polyhedral Mechanisms with Radially Reciprocating Motion Based on Non-crossing Angulated Structural Element

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- Propose a non-crossing angulated element with a constant subtended angle.
- Construct a family of deployable polyhedral mechanisms with radially reciprocating motion but no singularity.
- Build 3D model both in computer and prototypes to demonstrate the feasibility of the proposed mechanisms.

