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Group-theoretical form-finding of cable-strut structures based on irreducible representations for rigid-body translations

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Highlights

- **Group-theoretic form-finding for cable-strut structures is simplified.**
- **Only topology and symmetry are needed for the proposed form-finding process.**
- **Certain small blocks provide analytical sets of force densities and nodal coordinates.**
- **Stable cable-strut structures with specific symmetries can be effectively detected.**

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