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Geometry: The leading parameter for the Poisson's ratio of bending-dominated cellular solids

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Highlights

- Broad comparison of the deformation of cellular solids with mechanisms of frameworks.
- Effective Poisson's ratios agree within the regime of bending-dominated cellular solids.
- Geometric framework model emphasizes the importance of morphology for elastic properties.
- Determination of infinitesimal framework mechanisms offers versatile microstructure design tool.

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