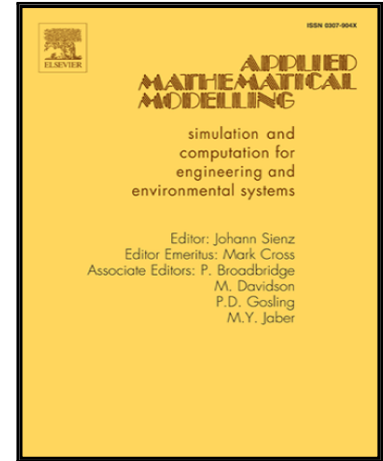


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Analytical relationships for the mechanical properties of additively manufactured porous biomaterials based on octahedral unit cells

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Highlights:

- Analytical relationships were obtained for a new unit cell type, octahedral.
- The effect of build orientation is taken into account in the analytical solution.
- The results are supported by experimental tests and numerical results.

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