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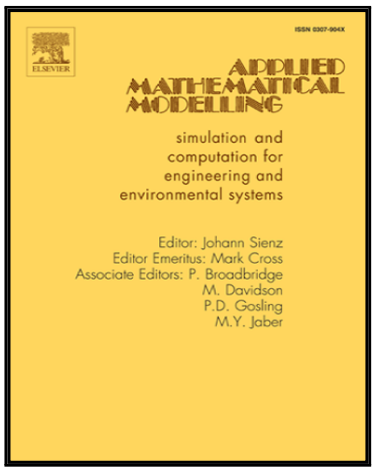

Clifford algebra valued boundary integral equations for three-dimensional elasticity

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Highlights

- Clifford analysis is applied to solve 3D problems of elasticity.
- BIEs for Clifford algebra valued harmonic functions are derived.
- The singularity-free BIEs are constructed without extra equations/variables/information.
- The Clifford algebra valued singularity-free BEM is developed by a regular quadrature.
- 3D problems of elasticity can be solved using the Clifford algebra valued BEM.

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