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A local radial basis function collocation method for band structure computation of phononic crystals with scatterers of arbitrary geometry

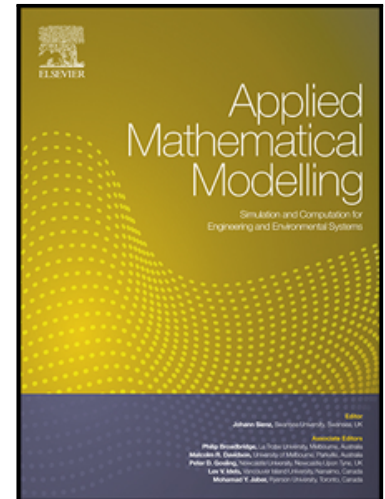
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Highlights

- A new numerical algorithm based on the LRBFCM is proposed.
- The stability of the LRBFCM is greatly increased
- The boundary or interface condition of complex geometry can be easily treated
- The improved LRBFCM is applied to the PCs with a scatterer of complex geometry

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