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A new meshless approach to deal with interfaces in seismic problems

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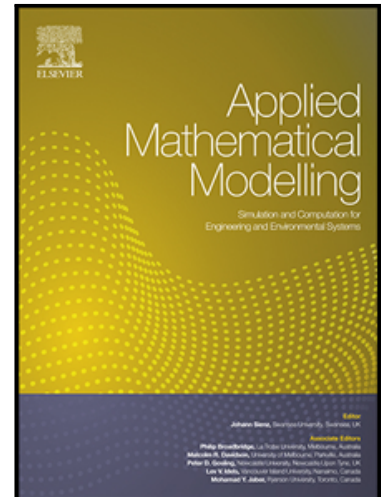
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Highlights

- New schemes in generalized finite differences for dealing with interfaces are proposed
- These schemes preserve the order of convergence independently of the shape of the interface
- The easiness to generate irregular meshes adapted to the interface is highlighted
- The utility of the schemes due to their easy combination with others in FD is stood out
- These schemes avoid important difficulties in real seismic wave propagation problems

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