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A generalized finite difference method based on the Peridynamic differential operator for the solution of problems in bounded and unbounded domains

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Highlights (for review)

Highlights:

- Application of the Peridynamic differential operator to the solution of Helmholtz-type problems
- A comprehensive study on the accuracy, convergence, and behavior of the method
- Introducing a simple and efficient way to equip the method for proper satisfaction of radiation boundary conditions
- An investigation into the application of the method to acoustic wave propagation problems in infinite and semi-infinite domains

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