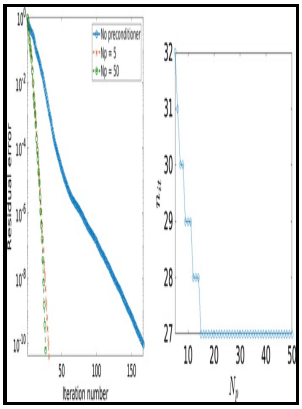
Preconditioned iterative methods for the boundary element solution of a hypersingular integral equation.

Universityof Salford - Fast Iterative Methods for Solving of Boundary Nonlinear Integral Equations with Singularity



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-Preconditioned iterative methods for the boundary element solution of a hypersingular integral equation.
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Fast Iterative Methods for Solving of Boundary Nonlinear Integral Equations with Singularity

Linze, Theoretical Numerical Analysis: An Introduction to Advanced Techniques, Wiley, New York, 1979. However, our findings showed that an appropriate scatter window combination can reduce this difference between TEW and ESSE methods. Furthermore, if the analysis is the basis for an iterative optimization procedure such as a gradient-based acoustical topology optimization, this approach imposes prohibitively high computational costs.

CiteSeerX — Multilevel Methods for the H

The boundary integral equation BIE representation solves the two-dimensional convected Helmholtz equation CHE and its fundamental solution, which must satisfy a new Sommerfeld radiation condition SRC in the physical space. . Silbermann, Numerical Analysis for Integral and Related Operators Birkhäuser, Basel, 1991.

A new fast multipole boundary element method for two dimensional acoustic problems

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