

# "A MATRIX ITERATIVE TECHNIQUE FOR THE SOLUTION OF FREDHOLM INTEGRAL EQUATIONS OF THE SECOND KIND"

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## **Abstract**

A Matrix Iterative Algorithm is given for the approximate solution of Fredholm integral equations of the second kind. The Algorithm modifies the ideas of iterated kernels via Hilbert matrix. Thus reducing the required solution so that only one coefficient matrix is computed. Concluded results are observed during the solution of some numerical examples.

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