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Numerical solution of nonlinear Volterra-Fredholm-Hammerstein integral equations in two-dimensional spaces based on Block Pulse functions

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Highlights

1. A numerical technique based on Block Pulse functions is proposed.
2. Two-dimensional nonlinear Volterra-Fredholm-Hammerstein integral equations are firstly numerically solved.
3. The proposed method is to transform the Volterra-Fredholm integral equations into a system of algebra equations.
4. The main characteristic behind the algorithm is operator theory.

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