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SIAM Series on Fundamentals of Algorithms

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Lars Eldén

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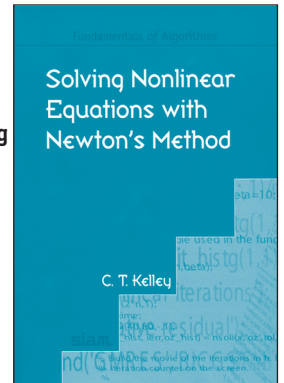
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T. A. Davis

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- Boundary element methods
- Direct methods for sparse linear systems
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- Evaluation of algorithms
- Fast Fourier transforms
- Fast multipole
- Large, sparse eigenvalue problems
- Level set methods
- Linear least squares problems
- Mesh generation
- MonteCarlo algorithms for simulation
- Multigrid methods
- Stochastic differential equations
- Structured linear systems (Toeplitz, Hankel, Vandermonde, etc.)
- Visualization