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papers (1977a, 1977b), also considers graphs, the block triangular form, Cholesky factorization, and least-squares problems. Du (1977b) gave an extensive survey of sparse matrix methods and their applications with over 600 references. A survey of direct methods for sparse linear systems

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triangular system. Both approaches have benefits and drawbacks. Sparse solvers for linear systems - ALGLIB, C++ and C# library Sparse Matrices; Iterative Methods for Linear Systems; On this page; Direct vs. Iterative Methods; Generic Iterative Algorithm; Summary of Iterative Methods; Choosing an Iterative Solver; Preconditioners. Preconditioner Example; Equilibration and Reordering; Using Linear Operators Instead of Matrices; References; Related Topics Iterative Methods for Linear Systems - MATLAB & Simulink ... Stationary iterative methods solve a linear system with an operator approximating the original one; and based on a measurement of the error in the result (the residual), form a

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