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Sparse linear solvers: iterative methods and preconditioning L. Grigori ALPINES INRIA and LJLL, UPMC ... Krylov subspace methods Iterative solvers that reduce communication 3 of 46. ... Sparse linear solvers: iterative methods and preconditioning ...

Sparse linear solvers: iterative methods and preconditioning

purposeâ€• procedures that could compete with direct solvers. Preconditioning involves ex-ploiting ideas from sparse direct solvers. Gradually, iterative methods started to approach the quality of direct solvers. In earlier times, iterative methods were often special-purpose

Iterative Methods for Sparse Linear Systems

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Đ;Đ>Đ•Đ£.pdf. Đ;Đ°Đ°Ñ‡Đ, Đ²Đ°Đ½Đ, Đ¹: 14. ... This section describes, in broad outline, the main developments in the area of iterative methods and preconditioning techniques from a historical perspective. For more detailed information, the interested reader should consult Golub and Oâ€™™Leary [155] (for developments up to 1976), the papers by ...

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Iterative Methods for Linear and Nonlinear Equations

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