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~~Trefethen and Bau, NUMERICAL LINEAR ALGEBRA~~

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~~we arrive at what Gilbert Strang calls the Fundamental Theorem of Linear Algebra:  $m = \text{Ran}(A) \oplus \text{Ker}(A^+)$ ,  $\text{Ran}(A) \perp \text{Ker}(A^+)$   $n = \text{Ran}(A^+) \oplus \text{Ker}(A)$ ,  $\text{Ran}(A^+) \perp \text{Ker}(A)$ .~~

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~~Trefethen's Index Cards (WSP 2011) -- see sample1, sample2; Spectra and Pseudospectra (PUP 2005) Schwarz-Christoffel Mapping (CUP 2002) Spectral Methods in Matlab (SIAM 2000) The (Unfinished) PDE Coffee Table Book (2000, freely available online) Numerical Linear Algebra (SIAM 1997)~~

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~~In the field of numerical analysis, numerical linear algebra is an area to study methods to solve problems in linear algebra by numerical computation.The following problems will be considered in this area: Numerically solving a system of linear equations.; Numerically solving an eigenvalue problem for a given matrix.; Computing approximate values of a matrix-valued function.~~

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