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of insight, and brevity. The text is split into forty lectures, each about eight pages long. It is based on the course I taught repeatedly at MIT and Cornell during 1984-1997.

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

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