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This is the case for most of the problems we consider. M. Bartholomew-Biggs, Nonlinear Optimization with Engineering Applications, c Springer Science+Business Media, LLC 2008 DOI: 10.1007/978-0-387-78723-7 4, 42 4. n-Variable Unconstrained Optimization Definition A positive-definite symmetric matrix is one which has all positive eigenvalues.

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