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methods for obtaining numerical solutions with a digital computer. Included are methods for the solution of algebraic and transcendental equations, simultaneous linear equations,

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NUMERICAL METHODS IN ENGINEERING

Given a function or system of simultaneous functions Compute first derivative of the function or Jacobian of the square matrix Employ Newtons formulas Insert first value of dependent variable (s) Insert first value of dependent variable (s) Find first root (x_{n+1}) let $x_{n+1} = x_n$ for the subsequent ...

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