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`function p=newtonPoly(a,xData,x) % Returns value of Newton's polynomial at x. %USAGE:p=newtonPoly(a,xData,x) % a = coefficient array of the polynomial; % must be computed first by newtonCoeff. % xData = x-coordinates of data points. n = length(xData); p = a(n); for k=1:n-1; p = a(n-k) + (x - xData(n-k))*p; end.`

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View MATLAB Command When solving a system of equations, use multiple output arguments to assign the solutions directly to output variables. The order in which the solver returns the solutions follows the order in which you specify the variables. `syms x y [sol_x, sol_y] = vpasolve ([x*sin (10*x) == y^3, y^2 == exp (-2*x/3)], [x,y])`

Solve equations numerically - MATLAB vpasolve

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Chapra Applied Numerical Methods MATLAB Engineers Scientists 3rd txtbk Applied Numerical Methods with MATLAB® for Engineers and Scientists Third Edition Steven C. Chapra Berger Chair in Computing and Engineering Tufts University

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The authors begin by introducing the solution of nonlinear equations using several standard approaches, including methods of successive substitution and linear interpolation; the Wegstein method, the Newton-Raphson method; the Eigenvalue method; and synthetic division algorithms.

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