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Keywords Endurance Time Method Nonlinear Dynamic Analysis Performance-Based Design Life Cycles Cost Editors: Guest Editor: Professor.Homayoon Estekanchi Affiliations: Department of Civil Engineering, Sharif University of Technology, Tehran, Iran. Interests: Structural Engineering, Earthquake Engineering, Construction Technology, Tall Buildings, Industrial Buildings, Plate and Shell Structures.

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1.889 Numerical Methods in Civil Engineering II Continuation of 1.888. Approximation of functions: interpolation, and least squares curve fitting; orthogonal polynomials. Numerical differentiation and integration. Solution of ordinary and partial differential equations, and integral equations; discrete methods of

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Numerical Methods in Civil Engineering by Dr. A. Deb, Department of Civil Engineering, IIT Kharagpur. For more details on NPTEL visit <http://nptel.ac.in>

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