

ME5622 - Structural Integrity and FEA

View Online



Lecturer: Dr Rade Vignjevic

Bathe, K.-J. (1982) Finite element procedures in engineering analysis. Englewood Cliffs: Prentice-Hall.

Beer, G. and Watson, J.O. (1992) Introduction to finite and boundary element methods for engineers. Chichester: New York.

Burnett, D.S. (1987) Finite element analysis: from concepts to applications. Reading, Mass: Addison-Wesley Pub. Co.

Chandrupatla, T.R. and Belegundu, A.D. (2011) Introduction to finite elements in engineering. 4th ed. Upper Saddle River, NJ: Prentice Hall. Available at: <http://lib.myilibrary.com/browse/open.asp?id=525359&entityid=https://idp.brunel.ac.uk/entity>.

Cook, R.D. (1995) Finite element modeling for stress analysis. New York: John Wiley.

Cook, R.D. and Cook, R.D. (2002) Concepts and applications of finite element analysis. 4th ed. Hoboken, NJ: Wiley.

Desai, C.S. (1979) Elementary finite element method. Englewood Cliffs: Prentice-Hall.

Fung, Y.C., Tong, P. and Chen, X.H. (2016) Classical and computational solid mechanics. Second edition. New Jersey: World Scientific.

Grandin, H. (1986) Fundamentals of the finite element method. New York: Macmillan.

Huebner, K.H. et al. (2001) The finite element method for engineers. 4th ed. New York: Wiley.

Knight, C.E. (1993) The finite element method in mechanical design. Boston: PWS-Kent Pub. Co.

Logan, D.L. (2017a) A first course in the finite element method. Sixth edition. Boston, MA, USA: Cengage Learning.

Logan, D.L. (2017b) A first course in the finite element method. Sixth edition. Boston, MA, USA: Cengage Learning.

Moaveni, S. (2015) Finite element analysis: theory and application with ANSYS. Fourth Edition. Boston: Pearson. Available at: <http://lib.myilibrary.com/browse/open.asp?id=719582&entityid=https://idp.brunel.ac>.

uk/entity.

Pao, Y.C. (1986) A first course in finite element analysis. Boston, Mass: Allyn and Bacon.

Pepper, D.W. and Heinrich, J.C. (2017) The finite element method: basic concepts and applications with MATLAB, MAPLE, and COMSOL. Third edition. Boca Raton: CRC Press, Taylor & Francis Group, an Informa business.

Rao, S.S. (2018) The finite element method in engineering. Sixth Edition. Oxford, United Kingdom: Butterworth-Heinemann, an imprint of Elsevier.

Reddy, J.N. (2019) Introduction to the finite element method. Fourth edition. New York: McGraw Hill Education.

Ross, C.T.F. (1990) Finite element methods in engineering science. New York: Ellis Horwood.

Stasa, F.L. (1985) Applied finite element analysis for engineers. New York: Holt, Rinehart and Winston.

Zienkiewicz, O.C. and Taylor, R.L. (2000) The finite element method. 5th ed. Oxford: Butterworth.

Zienkiewicz, O.C., Taylor, R.L. and Zhu, J.Z. (2005) The finite element method: it's basis and fundamentals. 6th ed. Oxford: Butterworth-Heinemann. Available at: <http://lib.myilibrary.com?id=101652&entityid=https://idp.brunel.ac.uk/entity>.