



BIBLIOGRAFÍA

- [1] Huang Matthew, "Vehicle Crash Mechanics" CRC PRESS, SAE International Press, Washington, D.C. 2002.
- [2] Logan Daryl, "A First Course in the Finite Element Method Using Algor" Brooks/Cole, Second Edition, United States. 2003.
- [3] Hughes, Thomas "The Finite Element Method" Prentice Hall, United States. 1987.
- [4] Steele, Jeffrey "Applied Finite Element Method" Marcel Dekker, Inc. Second Edition, 1989.
- [5] Levy, S., "Structural Analysis and Influence Coefficients for Delta Wings," Journal of Aeronautical Sciences, Vol. 20, No. 7, pp. 449-454, July 1953.
- [6] Argyris, J. H., "Energy Theorems and Structural Analysis," Aircraft Engineering, Oct., Nov., Dec. 1954 and Feb., Mar., Apr., May 1955.
- [7] Argyris, J. H., and Kelsey, S., Energy Theorems and Structural Analysis, Butterworths, London, 1960 (collection of papers published in Aircraft Engineering in 1954 and 1955).
- [8] Turner, M. J., Clough, R. W., Martin, H. c., and Topp, L. J., "Stiffness and Deflection Analysis of Complex Structures," Journal of Aeronautical Sciences, Vol. 23, No. 9, pp. 805-824, Sept. 1956.
- [9] Clough, R. W., "The Finite Element Method in Plane Stress Analysis," Proceedings, American Society of Civil Engineers, 2nd Conference on Electronic Computation, Pittsburgh, PA, pp. 345-378, Sept. 1960.
- [10] Melosh, R. J., "A Stiffness Matrix for the Analysis of Thin Plates in Bending," Journal of the Aerospace Sciences, Vol. 28, No. 1, pp. 34-42, Jan. 1961.
- [11] Grafton, P. E., and Strome, D. R., "Analysis of Axisymmetric Shells by the Direct Stiffness Method," Journal of the American Institute of Aeronautics and Astronautics, Vol. 1, No. 10, pp. 2342-2347, 1963.
- [12] Martin, H. C., "Plane Elasticity Problems and the Direct Stiffness Method," The Trend in Engineering, Vol. 13, pp. 5-19, Jan. 1961.
- [13] Gallagher, R. H., Padlog, J., and Bijlaard, P. P., "Stress Analysis of Heated Complex Shapes," Journal of the American Rocket Society, Vol. 32, pp. 700-707, May 1962.
- [14] Melosh, R. J., "Structural Analysis of Solids," Journal of the Structural Division, Proceedings of the American Society of Civil Engineers, pp. 205-223, Aug. 1963.
- [15] Argyris, J. H., "Recent Advances in Matrix Methods of Structural Analysis," Progress in Aeronautical Science, Vol. 4, Pergamon Press, New York, 1964.
- [16] Clough, R. W., and Rashid, Y., "Finite Element Analysis of Axisymmetric Solids," Journal of the Engineering Mechanics Division, Proceedings of the American Society of Civil Engineers, Vol. 91, pp. 71-85, Feb. 1965.



- [17] Wilson, E. L., "Structural Analysis of Axisymmetric Solids," Journal of the American Institute of Aeronautics and Astronautics, Vol. 3, No. 12, pp. 2269-2274, Dec. 1965.
- [18] Turner, M. J., Dill, E. H., Martin, H. C., and Melosh, R. J., "Large Deflections of Structures Subjected to Heating and External Loads," Journal of Aeronautical Sciences, Vol. 27, No. 2, pp. 97-107, Feb. 1960.
- [19] Gallagher, R. H., and Padlog, J., "Discrete Element Approach to Structural Stability Analysis," Journal of the American Institute of Aeronautics and Astronautics, Vol. 1, No. 6, pp. 1437-1439, 1963.
- [20] Zienkiewicz, O. C., Watson, M., and King, I. P., "A Numerical Method of Visco-Elastic Stress Analysis," International Journal of Mechanical Sciences, Vol. 10, pp. 807-827, 1968.
- [21] Archer, J. S., "Consistent Matrix Formulations for Structural Analysis Using Finite Element Techniques," Journal of the American Institute of Aeronautics and Astronautics, Vol. 3, No. 10, pp. 1910-1918, 1965.
- [22] Zienkiewicz, O. C., and Cheung, Y. K., "Finite Elements in the Solution of Field Problems," The Engineer, pp. 507-510, Sept. 24, 1965.
- [23] Martin, H. C., "Finite Element Analysis of Fluid Flows," Proceedings of the Second Conference on Matrix Methods in Structural Mechanics, Wright-Patterson Air Force Base, Ohio, pp. 517-535, Oct. 1968. (AFFDL-TR-68-150, Dec. 1969; AD-703-685, N.T.I.S.)
- [24] Wilson, E. L., and Nickel, R. E., "Application of the Finite Element Method to Heat Conduction Analysis," Nuclear Engineering and Design, Vol. 4, pp. 276-286, 1966.
- [25] Szabo, B. A., and Lee, G. C., "Derivation of Stiffness Matrices for Problems in Plane Elasticity by Galerkin's Method," International Journal of Numerical Methods in Engineering, Vol. 1, pp. 301-310, 1969.
- [26] Zienkiewicz, O. C., and Parekh, C. J., "Transient Field Problems: Two-Dimensional and Three Dimensional Analysis by Isoparametric Finite Elements," International Journal of Numerical Methods in Engineering, Vol. 2, No. 1, pp. 61-71, 1970.
- [27] Lyness, J. F., Owen, D. R. J., and Zienkiewicz, O. C., "Three-Dimensional Magnetic Field Determination Using a Scalar Potential. A Finite Element Solution," Transactions on Magnetics, Institute of Electrical and Electronics Engineers, pp. 1649-1656, 1977.
- [28] Belytschko, T., "A Survey of Numerical Methods and Computer Programs for Dynamic Structural Analysis," Nuclear Engineering and Design, Vol. 37, No. 1, pp. 23-34, 1976.
- [29] Belytschko, T., "Efficient Large-Scale Nonlinear Transient Analysis by Finite Elements," International Journal of Numerical Methods in Engineering, Vol. 10, No. 3, pp. 579-596, 1976.
- [30] Huiskes, R., and Chao, E. Y. S., "A Survey of Finite Element Analysis in Orthopedic Biomechanics: The First Decade," Journal of Biomechanics, Vol. 16, No. 6, pp. 385-409, 1983.
- [31] Journal of Biomechanical Engineering, Transactions of the American Society of Mechanical



Engineers, (published quarterly) (1st issue published 1977). [32] Kardestuncer, H., ed., Finite Element Handbook, McGraw-Hill, New York, 1987. [33] Clough, R. W., "The Finite Element Method After Twenty-Five Years: A Personal View," Computers and Structures, Vol. 12, No. 4, pp. 361-370, 1980.

[34] Kardestuncer, H., Elementary Matrix Analysis of Structures, McGraw-Hill, New York, 1974.

[35] Oden, J. T., and Ripperger, E. A., Mechanics of Elastic Structures, 2nd ed., McGraw-Hill, New York, 1981.

[36] Finlayson, B. A., The Method of Weighted Residuals and Variational Principles, Academic Press, New York, 1972. [37] Zienkiewicz, O. c., The Finite Element Method, 3rd ed., McGraw-Hill, London, 1977.

[38] Cook, R. D., Malkus, D. S., and Plesha, M. E., Concepts and Applications of Finite Element Analysis, 3rd ed., Wiley, New York, 1989.

[39] Koswara, H., A Finite Element Analysis of Underground Shelter Subjected to Ground Shock Load, M.S. Thesis, Rose-Hulman Institute of Technology, 1983.

[40] Greer, R. D., "The Analysis of a Film Tower Die Utilizing the ANSYS Finite Element Package," M.S. Thesis, Rose-Hulman Institute of Technology, Terre Haute, Indiana, May 1989.

[41] Koeneman, J. B., Hansen, T. M., and Beres, K., "The Effect of Hip Stem Elastic Modulus and Cement Stem Bond on Cement Stresses," 36th Annual Meeting, Orthopedic Research Society, Feb. 5-8, 1990, New Orleans, Louisiana.

[42] Girijavallabham, C. V., and Reese, L. c., "Finite-Element Method for Problems in Solid Mechanics," Journal of the Structural Division, American Society of Civil Engineers, No. Sm2, pp. 473-A97, Mar. 1968.

[43] Young, c., and Crocker, M., "Transmission Loss by Finite-Element Method," Journal of the Acoustical Society of America, Vol. 57, No. 1, pp. 144-148, Jan, 1975.

[44] Silvester, P. P., and Ferrari, R. L., Finite Elements for Electrical Engineers, Cambridge University Press, Cambridge, England, 1983.

[45] Falk, H., and Beardsley, C. W., "Finite Element Analysis Packages for Personal Computers," Mechanical Engineering, pp. 54-71, Jan. 1985.

[46] Algor Interactive Systems, 260 Alpha Drive, Pittsburgh, PA 15238.

[47] Swanson, J. A., ANSYS-Engineering Analysis Systems User's Manual, Swanson Analysis Systems, Inc., Johnson Rd., P.O. Box 65, Houston, PA 1534.

[48] Logan Daryl, "A First Course in the Finite Element Method Using Algor" Brooks/Cole, Second Edition, United States. 2003.

[49] Zahavi, Eliahu "The Finite Element Method Using Algor" Prentice Hall, 1991.

[50] Körprich, Heyen, Pohle, "Karosserie und Fahrzeugbauer" Fach-Kenntnisse, Handwerk und Technik, Ein Lehr und Arbeitsbuch, Deutschland. 1982.