

Bibliography

- [1] Julie A. Bannantine, Jess Comer, and James Handrock. *Fundamentals of Metal fatigue analysis*. Prentice-Hall, Inc., 1990.
- [2] K.J. Bathe. *Finite Element Procedures*. Prentice Hall, 1996.
- [3] R.S. Beamgard, K.P. Snodgrass, and R.F. Stornant. A field performance prediction technique for light truck structural components. *SAE 791034*, 1979.
- [4] T.G. Beckwith, R.D. Marangoni, and J.H. Lienhard V. *Mechanical measurements*. Addison-Wesley Publishing Company, fifth edition edition, 1993.
- [5] David Broek. *The practical use of fracture mechanics*. Kluwer Academic Publishers, first edition edition, 1988.
- [6] A.A. Butkunas and S.L. Bussa. Quantification of inputs for vehicle system analysis. *SAE 750133*, 1975.
- [7] Jr. Charles E. Knight. *The Finite Element Method in Mechanical Design*. PWS-KENT Publishing Company, 1993.
- [8] C.-C. Chu. Multiaxial fatigue life prediction method in the ground vehicle industry. *Int. J. Fatigue*, 1997.
- [9] Civil Engineering and Building Structures Standards Policy Committee. *Structural use of aluminium*, bs 8118: part 1 edition, 1991.

- [10] F.A. Conle and C.-C. Chu. Fatigue analysis and the local stress-strain approach in complex vehicular structures. *Int. J. Fatigue*, vol. 19(1):pp:317–323, 1997.
- [11] F.A. Conle and C.W. Mousseau. Using vehicle dynamics simulations and finite element results to generate fatigue life contours for chassis components. *Int. J. Fatigue*, vol. 13:pp:195–205, 1991.
- [12] S. Dietz, H. Netter, and D. Sachau. Fatigue life prediction of a railway bogey under dynamic loads through simulation. *Vehicle System Dynamics*, vol. 29:pp. 385–402, 1998.
- [13] T. Dirlik. *The establishment of the frequency domain transform functions*. PhD thesis, Warwick University, 1985.
- [14] K. Dreßler, J. Kötzle, and V.B. Köttgen. Syntheses of realistic loading specifications. *European Journal Mechanical Engineering*, vol. 41(3):pp:153–166, 19xx.
- [15] European Convention For Constructional Steelwork. *Recommendations for the Fatigue Design of Steel Structures*, 1st edition, 1985. No. 43.
- [16] Ravindran Gopalakrishnan and Hari N. Agrawal. Durability analysis of full automotive body structures. *SAE 930568*, 1993.
- [17] V. Grubisic. Determination of load spectra for design and testing. *Int. J. of Vehicle Design*, vol. 15(1/2):pp:8–26, 1994.
- [18] T.R. Gurney. Fatigue design rules for welded steel joints. *The Welding Institute Research Bulletin*, vol. 17, 1976.
- [19] E. J. Hearn. *Mechanics of Materials*. Butterworth-Heinemann Ltd, second edition edition, 1985.
- [20] D.R.H. Jones and K.A. Macdonald. Fatigue failure of a rotating chemical vessel. *Int. J. Fatigue*, pages pp. 77–93, 1996.

- [21] Bijan Khatib-Shididi, S. Grewal, and S. Gopalsamy. Durability analysis of pickup truck using non-linear fea. *SAE 962223*, 1996.
- [22] Y. Kuo and S.G. Kelkar. Body-structure durability analysis. *Automotive Engineering*, 1995.
- [23] C. Leser, S. Thangjitham, and N.E. Dowling. Modeling of random vehicle loading histories for fatigue analysis. *Int. J. of Vehicle Design*, vol. 15, 1993.
- [24] The MacNeal-Schwendler Corporation. *MSC/FATIGUE Version 6*, no. 903030 edition, 1996.
- [25] M. Matsuishi and T. Endo. Fatigue of metals subjected to varying stress. *Proc. Kyushu Branch of Japan. Soc. of Mech. Eng.*, pages pp:37–40, 1968.
- [26] Michel Olagnon. Practical computation of statistical properties of rainflow counts. *Int. J. of Fatigue*, vol. 16:pp. 306–314, 1994.
- [27] U. Olofsson, T. Svensson, and H. Torstensson. Response spectrum methods in tank-vehicle design. *Experimental Mechanics*, 1995.
- [28] R.E. Poutney and J.D. Dakin. Integration of test and analysis for component durability. *Environmental Engineering*, vol. 5(2):pp:13–17, 1992.
- [29] A. Rahman. Toward reliable finite element analysis. *Environmental engineering*, 1997.
- [30] H.S. Reemsnyder. Hot-spot stress approach to fatigue design of weldments. *SAE-University of Iowa, Short course notes of fatigue concepts in Design*, 1986.
- [31] Y Rui, R.S. Borsos, and et. al. The fatigue life prediction method for multi-spot-welded structures. *SAE 930571*, 1993.
- [32] Frank Sherrat. Current applications of frequency domain fatigue life estimation. In *Product Optimization for Integrity*, 1995.

- [33] Joseph E. Shigley. *Mechanical Engineering Design*. McGraw-Hill Book Company, first metric edition edition, 1986.
- [34] M. Slavik and J. Wannenburg. Prognosis of vehicle failure due to fatigue. In R.K. Penny, editor, *Risk, Economy and Safety, Failure minimisation and Analysis*, 1998.
- [35] R.A. Smith and J.F. Cooper. Theoretical predictions of the fatigue life of shear spot welds. In S. J. Maddox, editor, *Fatigue of Welded Structures*. The Welding Institute, 1988.
- [36] South African Bureau of Standards. *Road tank vehicles for petroleum based flammable liquids*, 1994. 1398.
- [37] R.I. Stephans, B. Dopker, E.J. Baek, L.P. Johnson, and T.S. Liu. Computational fatigue life prediction of welded and non-welded ground vehicle components. *SAE 871967*, 1987.
- [38] United Kingdom Department of Energy. *Offshore installations: Guide on Design and Construction*, 1st edition, 1984.
- [39] J. Wannenburg. *The establishment of input loading for automotive and transport structures*. PhD thesis, University of Pretoria, 2003.
- [40] Welding Standards Policy Committee. *British Standard: Fatigue design and assesment of steel structures*, 1st edition, 1993. BS 7608: 1993.