

11.0 References

1. ndt-ed@cnde.iastate.edu; Introduction to Non Destructive Testing; NDT Resources Centre; P1-P5; 14-01-2005.
2. info@mac.ndt.com; More about NDT technology; Journal of Magnetic Analysis Corporation; P1-P4; 22-01-2005.
3. Charles H; The ABC's of Nondestructive Weld Examination; American Welding Society journal; USA; P6; 1997.
4. IAEA-TEC DOC 628; Training Guidelines in NDT Techniques; Ultrasonic Testing of Materials at Level 2; P92; 1996.
5. Filho A.R; Petraglio M.R; Automatic welding diagnosis using neural network; Proceedings of International symposium on NDT (NDTISS 99); Brazil; P1; 1999.
6. The Japanese society for Non-Destructive Inspection Advanced course; P142-P144; P148-P154, P163, P188, P189; 1998.
7. IAEA-TEC DOC 628; Training Guidelines in NDT Techniques; Ultrasonic Testing of Materials-Level 3; P2.33; P2.44; P8.4; P8.7; 1998.
8. Gvardjancic J.V. and Zorko J; An estimation of the reflector size using AVG and DAC method, Proceedings of the 14th world Conference on NDT; New Delhi; P22-P22; 1996.
9. Prasad R; Kumar S; Study of correlation between ultrasonic flaw indications and types of defects; Proceedings of 14th world conference on NDT; New Delhi; P32-P33; 1996.
10. McIntire P; Ultrasonic Testing-vol. 7; American Society for Non-Destructive Testing; USA; P25; P132-P133; P147-P148; P198-P199; P437; P555-P556; 1991.
11. Japan International Corporation Agency; Non Destructive Inspection Technique Course Training manual; Japan; P14-P28; 1998.
12. Kopp N; Chanveau D; Flotte D; Automated classification of weld defects by Ultrasonic Non- Destructive Testing; Proceedings of the ECNDT; Copenhagen P15; 1998.

13. Raillon R; Calmon P, Paradis L; Application of the Ultrasonic modeling tools for the Automatic characterization of defects, International conference on NDE to structural integrity for Nuclear and pressurized components; Amsteram; Netherlands; 1998.
14. Filho A.R; Welding pattern identification techniques using ultrasound testing signals; International Symposium on NDT contribution to the Infrastructure safety systems; Brazil; 1999.
15. Stepinski T; Lingwall F; Automatic Defect Characterization in Ultrasonic NDT; Proceeding of 15th WCNDT ROMA; 2000.
16. Shoef Y; Shoef G; Evaluation of Type and Dimensions of Discontinuities Through Three Dimensional Ultrasonic Imaging; Proceedings of 15th WCNDT; Roma; 2000.
17. Song S.J; kim H.J; Sung W.S; 14th WCNDT; India; Development of an intelligent Ultrasonic evaluation system with a multi-axis portable scanner; 1996.
18. Tennakoon T.M.R; Munasinghe N; Ultrasonic A-Scan Technique for Quantitative Evaluation of Welding Defects; International Nuclear Conference; Malaysia; P181; 2002.
19. Borowitz S; Beiser A; Essentials of Physics; Addison–Wesley publishing company INC; P58-P83; P417-P439; P489-P494; 1966.
20. Vasudeva A.S; Modern Engineering Physics-part IV; S.Chand & Company Ltd; New Delhi; P3-P17; P18-P27; P58-P80; 2003.
21. Krautkramer J; Physical principals of Ultrasonic Testing; Berling; P15-18; P47-P53; P63; P69; P91; P98; P99; P102; 1997.
22. Norman C.H; Edwin M.H; Introductory to Applied Physics; Mc Graw–Hill Book Company; London; P389-P409; 1963.
23. Lemon H.B, Ference M; Analytical Experimental Physics; University of Chicago Press; P443-P449; 1943.
24. Berser A; The Mainstream of Physics; Addison Wesley Publishing Company; London; P142-P157; 1962.
25. Tilly D.R; Waves; William Clowes and Sons Ltd; London; P56-P58, P159, P176-P182; 1974.

26. Pain H.J; The Physic of Vibration and Waves; John Willey Sons Ltd; London; P29-P34; 1968.
27. Wilson J.D; Technical College Physics; Sounders College Publishing; New York; P250-P266; 1987.
28. Robert R and David H; Physics-part II; John Wiley & Sons, Inc.; New York; P1018-P1024; P1204-P1207; 1966.
29. Tennakoon T.M.R; Munasinghe N; Correlation of Ultrasonic Echo Amplitude with flaw depth and probe angle in NDT of metals; Proceedings of the 58th annual scientific sessions of Sri Lanka Association for the Advancement of Science; P214; 2002.
30. IAEA-TECDOC-462; Ultrasonic Testing of Materials; Training Manual for NDT Techniques; Vienna; P35-P37; P55-P61; P65; 1998.
31. The Japanese Society for Non-Destructive Inspection; NDT of materials-Advanced course; P159-P160; 1999.
32. Technical Manual of Wallace Bench Thickness Gauge Model-S4/14; H.W. Wallace & Co. Ltd., U.K ; P18; 2001.
33. Tennakoon T.M.R; Munasinghe N; Influence of Couplant Thickness and Impurities within the flaws on Ultrasonic Echo Amplitude in NDT of Metals; Proceedings of the 59th annual scientific sessions of Sri Lanka Association for the Advancement of Science; P188; 2003.
34. Chapman W.A.J; Workshop Technology-Part 3; Butter and Tanner Ltd.; UK; P221-P235; 1975.
35. James A. B; Control of Surface Quality; USA; P185; 1963.
36. The Krautkramer Booklet; Krautkramer GMBH; Germany; P33-P35; P47-P48; 1997.
37. IAEA Ultrasonic Testing of Materials-Level 3; Vienna; P2.8; P2.9; P2.17; P2.20; P2.51; P2.52; P8.4; P8.7; 1989.
38. Gilmour R; NDT Level 3 Training Manual; Japanese Society for Non-Destructive Inspection; P142; P144; P190; 1989.
39. Halmshow R; NDT; Edward Arnold (Publishers) Ltd; London; P115-P121; 1981.

40. Drury J.C, Ultrasonic Flaw Detection for Technicians; USA; P20-P26; 1975.
41. IAEA Training Guidelines in NDT Techniques-Ultrasonic Testing of Materials-Level3; Vienna; P2.17; P2.20; P5.1-P5.8; P5.20-P5.21; 1998.
42. Tennakoon T.M.R; Munasinghe N; A new way to identify lack of sidewall fusion in Single-V butt welded steel plates; 61st annual scientific sessions; Sri Lanka Advancement of Science-SLAAS; P201; 2005.
43. Ultrasonic Testing of Materials-Training Course Materials; Setsco Services (Pvt) Ltd.; Singapore; P49-P51; 1993.
44. Tennakoon T.M.R; Munasinghe N; Correlation of Ultrasonic Echo Amplitude of Lack of Penetration with probe angle; Proceedings of the 60th annual scientific sessions of Sri Lanka Association for the Advancement of Science; P205; 2004.
45. Tom N; Google search; www.olympusndt.com; An Introduction to Ultrasonic Flaw Detection; (<http://www.olympus-ims.com/en/ndt-application/183-id.209715234.html>) 2006.
46. IAEA guidebook for the fabrication of NDT test specimens; Vienna; P11-P42; 2001.
47. Leake K; Henthorne N.J; Electric arc welding; Butterworth & Co.Ltd; London; P1-P29; 1981.
48. IAEA guidebook for industrial management and quality control personnel in NDT; Vienna; P25-P31; 1999.
49. Journal of Australian institute of NDT; P66-P68; May/June 2001.
50. Tennakoon T.M.R; Munasinghe N; Wickramanayake D.G.L; Perera H.S.P; Perera M.T.U.N; Fabrication of single V-butt welded test specimens with artificial defects; Proceedings of the 57th annual scientific sessions of Sri Lanka Association for the Advancement of Science; P180; 2001.
51. Tennakoon T.M.R; Munasinghe N; Correlation of Ultrasonic Echo Amplitude with flaw size and probe angle; Proceedings of the 59th annual scientific sessions of Sri Lanka Association for the Advancement of Science; P187; 2003.

- 52 Google Search, the free encyclopedia on radiographic testing; http://en.wikipedia.org/wiki/radiographic_testing; 22-01-2005.
- 53 Tennakoon T.M.R; Munasinghe N; Dissertation submitted in partial fulfilment of requirements for Degree of Master of Science in Nuclear Science of the University of Colombo; Sri Lanka; P01-P25; 1996.
- 54 Paul M; NDT Hand book-Ultrasonic Testing; ASNT; USA; P487-P489; 1991.
- 55 Tennakoon T.M.R; Munasinghe N; Computer Aided Flaw Diagnosis in Single-V Butt Welded Steel Plates using Ultrasonic A-Scan Flaw Echo Amplitude; Non-Destructive Testing Australia; Journal of the Australian Institute for Non-Destructive Testing (AINDT); Vol.42-No.2; March /April 2005.
- 56 Tennakoon T.M.R; Analysis Software to Interpret Defects in Ultrasonic Testing; International Journal of Structural Integrity; Volume 1; Issue 1; Emerald Group Publishing Ltd; P85-P93; 2010.



University of Moratuwa, Sri Lanka.
Electronic Theses & Dissertations
www.lib.mrt.ac.lk