

Zoznam najvýznamnejších vedeckých prác

1. JANOUŠEK, L. – ČÁPOVÁ, K. – YUSA, N. – MIYA, K.: Multi-probe inspection for enhancing sizing ability in eddy-current non-destructive testing. In: IEEE Transactions on Magnetics, Vol. 44, No. 6, June 2008, IEEE, ISSN 0018-9464, s. 1618-1621. CCC, IF₂₀₀₈=1,129
2. JANOUŠEK, L. – YUSA, N. – MIYA, K.: Utilization of two-directional AC current distribution for enhancing sizing ability of electromagnetic nondestructive testing methods. In: NDT&E International, Vol. 39, 2006, Elsevier, ISSN 0963-8695, s. 542-546. CCC, IF₂₀₀₆=0,970
3. JANOUŠEK, L. – CHEN, Z. – YUSA, N. – MIYA, K.: Excitation with phase-shifted fields - enhancing evaluation of deep cracks in eddy-current testing. In: NDT&E International, Vol. 38, 2005, Elsevier, ISSN 0963-8695, s. 508-515. CCC, IF₂₀₀₅=1,094
4. CHEN, Z. – JANOUŠEK, L. – YUSA, N. – MIYA, K.: A non-destructive strategy for the distinction of natural fatigue and stress corrosion cracks based on signals from eddy current testing. In: Journal of Pressure Vessel Technology, Vol. 129, 2007, ASME, ISSN 0094-9930, s. 719-728. CCC, IF₂₀₀₇=0,393
5. YUSA, N. – JANOUŠEK, L. – MIYA, K.: Controlling alternating current distribution inside conductive material leads to a novel volumetric examination method – experimental verification. In: Materials Transactions, Vol. 48, No. 6, 2007, The Japanese Society for Non-Destructive Inspection, ISSN 1345-9678, s. 1162-1165. CCC, IF₂₀₀₇=1,018
6. REBICAN, M. – CHEN, Z. – YUSA, N. – JANOUŠEK, L. – MIYA, K.: Shape reconstruction of multiple cracks from ECT signals by means of a stochastic method. In: IEEE Transactions on Magnetics, Vol. 42, No. 4, 2006, IEEE, ISSN 0018-9464, s. 1079-1082. CCC, IF₂₀₀₆=0,938
7. YUSA, N. – JANOUŠEK, L. – REBICAN, M. – CHEN, Z. – MIYA, K. – DOHI, N. – CHIGUSA, N. – MATSUMOTO, Y.: Caution when applying eddy current inversion to stress corrosion cracking. In: Nuclear Engineering and Design, Vol. 236, 2006, Elsevier, ISSN 0029-5493, s. 211-221. CCC, IF₂₀₀₆=0,461
8. YUSA, N. – JANOUŠEK, L. – CHEN, Z. – MIYA, K.: Diagnostics of stress corrosion and fatigue cracks using benchmark signals. In: Materials Letters, Vol. 59, 2005, Elsevier, ISSN 0167-577X, s. 3656-3659. CCC, IF₂₀₀₅=1,299
9. JANOUŠEK, L. – REBICAN, M. – SMETANA, M. – STRAPÁČOVÁ, T. – DUCA, A.: Three-dimensional reconstruction of partially conductive cracks from ECT response signals. In: Studies in Applied Electromagnetics and Mechanics, Vol. 39, Electromagnetic Nondestructive Evaluation (XVII), Editors: Klara Capova, Lalita Udpa, Ladislav Janousek, B.P.C. Rao, 2014, Amsterdam: IOS Press, ISBN 978-1-61499-406-0, s. 331-338. SCOPUS
10. JANOUŠEK, L. – SMETANA, M. – ALMAN, M.: Decline in ambiguity of partially conductive cracks' depth evaluation from eddy current testing signals. In: International Journal of Applied Electromagnetics and Mechanics, Vol. 39, Nos 1-4, 2012, ISSN 1383-5416, s. 329-334. WoS, IF₂₀₁₂=0,384
11. JANOUŠEK, L. – SMETANA, M. – ALMAN, M.: Interactions of partially conductive cracks with eddy currents in non-destructive evaluation. In: Electrical Review, Vol. 87, No. 5, 2011, ISSN 0033-2097, s. 59-61. WoS, IF₂₀₁₁=0,244
12. JANOUŠEK, L. – SMETANA, M. – ČÁPOVÁ, K.: Enhancing information level in eddy-current non-destructive inspection. In: International Journal of Applied Electromagnetics and Mechanics (IJAEM), Vol. 33, Nos 3,4, 2010, ISSN 1383-5416, s. 1149-1155., WoS, IF₂₀₁₀=0,336
13. JANOUŠEK, L. – ČÁPOVÁ, K. – GOMBÁRSKA, D. – SMETANA, M.: Progress in eddy-current non-destructive evaluation of conductive materials. In: ACTA TECHNICA CSAV, Vol. 55, No. 1, April 2010, ISSN 0001-7043, s. 13-28. SCOPUS
14. JANOUŠEK, L. – ČÁPOVÁ, K. – YUSA, N. – MIYA, K.: Advanced probe with array of pick-up coils for improved crack evaluation in eddy-current non-destructive testing. In: Studies in Applied Electromagnetics and Mechanics, Vol. 31, Electromagnetic Nondestructive Evaluation (XI), Editors: A. Tamburrino, Y. Melikhov, Z. Chen and L. Udpa, 2008, Amsterdam: IOS Press, ISBN 978-1-58603-896-0, s. 271-275. WoS

V Žiline, 21. 11. 2014

.....
doc. Ing. Ladislav Janoušek, PhD.