

LIST OF PUBLICATIONS

I. Monographs

1. J. Balas, J. Sladek and V. Sladek: Stress Analysis by Boundary Integral Equations, Veda, Bratislava 1985 (in Slovak), 451 p.
2. J. Balas, J. Sladek and V. Sladek: Stress Analysis by Boundary Element Methods, Elsevier, Amsterdam, Bratislava 1989, 686 p.
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4. J. Sladek, V. Sladek and L. Jakubovicova: Application of Boundary Element Methods in Fracture Mechanics, University of Zilina, 2002, 128 p.
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6. J. Sladek, V. Sladek (eds.): Advances in Meshless Methods, Tech Science Press, Forsyth, 2006.
7. S.N. Atluri, J. Sladek (eds.): Advances in the MLPG Meshless Methods, Tech Science Press, Duluth, 2009.

II. Book publications

1. V. Sladek and J. Sladek: Advanced Thermoelastic Analysis, Chapter 7 in: Boundary Element Methods in Heat Transfer (L.C. Wrobel and C.A. Brebbia, eds.), CMP, Southampton, Elsevier Applied Science 1992, pp. 175-234.
2. V. Sladek and J. Sladek: Nonsingular computation of field derivatives by BEM, Chapter 7 in: Advanced Formulations in Boundary Element Methods (M.H. Aliabadi and C.A. Brebbia, eds.), CMP Southampton, Elsevier Appl. Science, London, 1993, pp. 215-247.
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6. X.W. Gao, Ch. Zhang, J. Sladek, V. Sladek: An efficient meshless BEM for 2d nonhomogeneous elastic solids, Chapter I in: Advances in Meshless Methods (J. Sladek, V. Sladek, eds.), Tech Science Press, Forsyth, 2006, pp. 1-16.
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9. V. Sladek, J. Sladek, Ch. Zhang: The use of finite elements for approximation of field variables on local sub-domains in a mesh-free way, Chapter 6 in: Composites with Micro – and – Nano-Structure (V. Kompis, ed.), Springer Science, Heidelberg, 2008, pp. 87-106.
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13. J. Sladek, V. Sladek, P. Solec, S.N. Atluri: Modeling of piezoelectric and piezomagnetic solids by the MLPG, Chapter IV in: *Advances in the MLPG Meshless Methods* (S.N. Atluri, J. Sladek, eds.), Tech Science Press, Duluth, 2009, pp. 97-143.
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15. J. Sladek, V. Sladek, P.H. Wen, Ch. Zhang: Modelling of plates and shallow shells by meshless local integral equation method, Chapter VI in: *Boundary Element Methods in Engineering and Sciences* (M.H. Aliabadi, P.H. Wen, eds.), Imperial College Press, London, 2011, pp. 197-238.
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2. J. Sladek: Solution of three-dimensional cracked bodies, *Staveb. Cas.* 29 (1981), 241-256. (in Slovak)
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5. J. Sladek and M. Drzik: Boundary integral method using data speckle interferometry, in: *15th Jugoslovenski kongres teorijske i primenjene mechanike*, Kupari, 1981, 163-170.
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