

Lotfi Abdelhakim tudományos közleményei

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1. "Efficient Numerical Models for Electro-Mechanical Analysis", in **AIP Conf. Proc** – September 14, **2011**, Volume **1389**, pp. **1996-1999**.
2. "Optimal Design of Extrusion Dies in Metal Forming using the Finite Element Method", in B.H.V. Topping, Y. Tsompanakis, (Editors), "Proceedings of the Thirteenth International Conference on Civil, Structural and Environmental Engineering Computing", **Civil-Comp Press**, Stirlingshire, UK, Paper **149**, **2011**.
3. "Displacement Measurement by Digital Holographic Interferometry", in B.H.V. Topping, Y. Tsompanakis, (Editors), "Proceedings of the Thirteenth International Conference on Civil, Structural and Environmental Engineering Computing", **Civil-Comp Press**, Stirlingshire, UK, Paper **182**, **2011**.
4. "Displacement Determination by Digital Holographic Interferometry", in **AIP Conf. Proc** – September 30, **2010**, Volume **1281**, pp. 2089-2094.
5. "Half-magnitude extensions of resolution and field of view in digital holography by scanning and magnification", in **Applied Optics**, Vol. **48**, Issue **31**, **2009**, pp. 6026-6034.
6. "Optimal Die Design in Extrusion Process using Adaptive Finite Element Method", in **AIP Conf. Proc** – September 9, **2009**, Volume **1168**, pp. 324-328.
7. "Solving Contact Problems Using the Domain Decomposition Method with an Interface Preconditioner", in M. Papadrakakis, B.H.V. Topping, **Civil-Comp Press**, Stirlingshire, UK, Paper 91, **2008**.
8. "Domain Decomposition Method with an Interface Preconditioner for Frictionless Contact Problem", in **AIP Conf. Proc** – September 1, **2008**, Volume **1048**, pp. 359-363.
9. „Numerical Method for Computer Generated Hologram”, NUMERICAL ANALYSIS AND APPLIED MATHEMATICS: American Institute of Physics Conference Proceedings -- September 6, 2007 -- Volume 936, pp. 351-355
10. „Computer Generated Hologram”, Proceedings of International Conference of Numerical Analysis and Applied Mathematics, 2006, Creta, Greece, eds. T.E Simos, Ch Tsitouris, Wiley-VCH Verlag, Weinheim, 203-207 (2006).
11. „Optimal Die Design in Extrusion Process”, Proceedings of International Conference of Numerical Analysis and Applied Mathematics, September 16-20 2005, Rhodes, Greece, eds. T.E Simos, Ch Tsitouris, Wiley-VCH Verlag, Weinheim, 349-353 (2005).

12. „Optimal Shape Design for Metal Forming Problems by the Finite Element Method”, PAMM, Proc. Appl. Math. Mech. 5, 429-430 (2005).
13. „A Preconditioned Domain Decomposition Algorithm for Frictional Contact Problems”, Proceedings of International Conference of Numerical Analysis and Applied Mathematics 2004, September 10-14 2004, Chalkis, Greece, eds. T.E Simos, Ch Tsitouris, Wiley-VCH Verlag, Weinheim, 235-239(2004).
14. „Domain Decomposition Method for Three-Dimensional Frictional Contact Problem”, PAMM, Proc. Appl. Math. Mech. 2, 242-243 (2003).
15. „DD-type Domain Decomposition Method for Frictional Contact Problem”, PAMM, Proc. Appl. Math. Mech. 1, No. 1, 157-158 (2002).
16. „The Method of Asymptotic Expansion for Plate Problem in the Linear theory of Viscoelasticity”, ZAMM. Z. Angew. Math. Mech., Berlin 80 Suppl. 2, S391-S392 (2000).
17. „Decomposition methods for adherence problems in finite elasticity”, *Comput. Methods Appl. Mech. Eng.* 68, No.1, 67-82(1988).
18. „Decomposition methods for adherence problems in finite elasticity”, *IMA Preprint Series #314* (May 1987).