

Production scientifique durant la période 2008-2010¹

Il s'agit des publications du RUMEC parues dans des revues internationales indexées.

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F. Mohri, A. Eddinari, N. Damil and M. Potier Ferry, A beam finite element for non-linear analyses of thin-walled elements, A beam finite element for non-linear analyses of thin walled elements , Thin-Walled Structures, Volume 46, Issues 7-9, July-September 2008, Pages 981-990.

T. Boulal, S. Aniss, M.Belhaq, A. Azouani, Effect of quasi-periodic gravitational modulation on the convective instability in Hele-Shaw cell, International Journal of Non-Linear Mechanics 43 (2008) 852 - 857.

T. Ait-Taleb, A. Abdelbaki et Z. Zrikem, Numerical simulation of coupled heat transfers by conduction, natural convection and radiation in hollow structures heated from below or above, International Journal of Thermal Sciences (IJTS), vol. 47, issue 4, pp. 378-387, 2008.

A.Maslouhi , M.EL Haroui, M.Ibnooussina (2008)' ' Numerical simulation of the transport of nitric nitrogen in the vadose zone for evaluating the nitrate contamination of the Mnasra groundwater. Integrating Groundwater Science and Human Well-being . Proceedings of 36 th IAH Congress Toyama, Japan .Pages: 160-168.

T. Boulal, S.Aaniss, M. Belhaq (2008) Quasiperiodic gravitational modulation of convection in magnetic fluid, Thermal Non Equilibrium, Lecture Note, ISSN 1866-1807, ISBN 978- 3- 89336-523-4

N. Belouaggadia, Olivier H, Brun R Numerical and theoretical study of the shock stand-off distance in non-equilibrium flows JOURNAL OF FLUID MECHANICS Volume: 607 Pages: 167-197, 2008

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M. Hamdi and M. Belhaq, Self-excitation vibration Control for axially fast excited beam by a time delay state feedback, Chaos, Solitons & Fractals, vol. 41 (2), pp. 521-532, 2009.

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H. Lemacha, A.Maslouhi, M.Razack (2009)' 'Modelling of water flow and solute transport in saturated-unsaturated media using a self adapting mesh'' Hydroinformatics in Hydrology, Hydrogeology and Water Resources. Reds Books, IAHS Publ. 331, pages.480-487.

¹ Se contenter des 5 dernières publications pour chacune des 3 années (Ne pas comprendre 5 publications par enseignant chercheur mais pour l'ensemble des enseignants chercheurs membres du pôle).

J. Samir, J. Echaabi & M. Hattabi, "Modélisation et Application d'un maillage adaptatif pour la simulation de l'effet de variation de l'épaisseur dans les procédés RTM", *Revue des matériaux composites avancés*, N°2, 2009.

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E. H. Irhirane, J. Echaabi, M. Abousaleh, M. Hattabi & A. Saouab, "Modeling and simulation of the rupture and the rigidity degradation of a graphite epoxy in three points bending test", *ASME, Journal of Engineering Materials and Technology*, ISSN: 0094-4289, Volume 132, Issue 3, July 2010.

M. Belhaq, A. Fahsi, Analytics of heteroclinic bifurcation in a 3:1 subharmonic resonance, *Nonlinear Dyn*, 62 (4), pp. 1001-1008, 2010.

F. Lakrad, M. Belhaq Suppression of pull-in instability in MEMS using a high-frequency actuation, *Commun Nonlinear Sci Numer Simulat*, 15 (11), pp. 3640-3646, 2010.

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M. Boukendil, A. Abdelbaki, Z. Zrikem, Effet de l'épaisseur d'une lame d'air sur les transferts thermiques couplés à travers une structure alvéolaire, *Physical and Chemical News*, vol. 55, pp. 107-110, 2010