



Professor Nouredine Damil

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Mechanical or Industrial Engineering
Université Hassan II Mohammedia, Casablanca, Morocco

Education:

1990 Ph.D in physics/mechanics, Université Hassan II Casablanca
1984 3rd cycle doctorate in mathematics and theoretical mechanics, Université Pierre et Marie Curie (Paris VI)
1982 DEA, theoretical mechanics and applications, Université Pierre et Marie Curie (Paris VI)
1981 Master, Mathematics and applications, University of Sciences and Technologies of Lille (Lille I)
1980 License, Mathematics, University of Sciences and Technologies of Lille (Lille I)
1979 DEUG, Mathematics and Physics, University of Sciences and Technologies of Lille (Lille I)
1977 LAC, Mathematics, Lycée Moulay Idriss 1st Casablanca

Selected Publications:

BOOK:

B Cochelin, N Damil, M Potier-Ferry, “Méthode asymptotique numérique”, Hermès/Lavoisier, 2007

Foudil Mohri, Nouredine Damil, Michel Potier-Ferry, “Linear and non-linear stability analyses of thin-walled beams with monosymmetric I sections”, *Thin-walled Structures - THIN WALL STRUCT*, vol. 48, no. 4, pp. 299-315, 2010

F. Mohri, N. Damil, M. Potier-Ferry. Buckling and lateral buckling interaction in thin-walled beam-column elements with mono-symmetric cross sections. *Applied Mathematical Modeling*. 37, pp 3526–3540, 2013

F. Mohri, N. Damil, M. Potier-Ferry, Pre-buckling deflection effects on stability of thin walled beams with open sections, *Steel and Composite structures*, 13, pp 71-89, 2012

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- B Cochelin, N Damil, M Potier-Ferry, "Asymptotic-numerical methods and Pade approximants for non-linear elastic structures", *International journal for numerical methods in engineering* 37 (7), 1187-1213, 1994
- A Elhage-Hussein, M Potier-Ferry, N Damil, "A numerical continuation method based on Padé approximants", *International Journal of Solids and Structures* 37 (46), 6981-7001, 2000
- N Damil, M Potier-Ferry, "A new method to compute perturbed bifurcations: application to the buckling of imperfect elastic structures", *International Journal of Engineering Science* 28 (9), 943-957, 1990
- L Azrar, B Cochelin, N Damil, M Potier-Ferry, "An asymptotic-numerical method to compute the postbuckling behaviour of elastic plates and shells", *International Journal for numerical methods in engineering* 36 (8), 1251-1277, 1993
- B Cochelin, N Damil, M Potier-Ferry, "The asymptotic-numerical method: an efficient perturbation technique for nonlinear structural mechanics", *Revue européenne des éléments finis* 3 (2), 281-297, 1994
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- A Najah, B Cochelin, N Damil, M Potier-Ferry, "A critical review of asymptotic numerical methods", *Archives of Computational Methods in Engineering* 5 (1), 31-50, 1998
- Heng Hu, Nouredine Damil, Michel Potier-Ferry, "A bridging technique to analyze the influence of boundary conditions on instability patterns", *Journal of The Mechanics and Physics of Solids*, vol. 58, no. 8, pp. 1139-1153, 2010
- H. Mottaqui, B. Braikat, N. Damil, "Discussion about parameterization in the asymptotic numerical method: Application to nonlinear elastic shells", *Computer Methods in Applied Mechanics and Engineering*, vol. 199, no. 25, pp. 1701-1709, 2010
- Nouredine Damil, Michel Potier-Ferry, "Influence of local wrinkling on membrane behaviour: A new approach by the technique of slowly variable Fourier coefficients", *Journal of The Mechanics and Physics of Solids*, vol. 58, no. 8, pp. 1139-1153, 2010