



Professor Foudil Mohri

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Research Interests:

Thin-walled structures; Buckling; Finite elements; Dynamics

Selected Publications:

- Abdelkader Saoula, Sid Ahmed Meftah, Foudil Mohri, El Mostafa Daya Lateral buckling behaviour of box beam elements under combined axial and bending loads. *Journal of Constructional Steel Research* 116 (2016) 141–155
- M. Potier-Ferry, F. Mohri, F. Xu, N. Damil, B. Braikat, K. Mhada, H. Hu, Q. Huang, S. Nezamabadi. Cellular instabilities analyzed by multi-scale Fourier series: A review. *Discrete and Continuous Dynamical Systems – Series S*, 9(2): 585-597, 2016.
- Foudil Mohri, Sid Ahmed Meftah, Nouredine Damil: A large torsion beam finite element model for tapered thin-walled open cross sections beams. *Engineering Structures* 99 2015 132–148
- Kodjo Attipou, Heng Hu, Foudil Mohri, Michel Potier-Ferry, Salim Belouettar, Thermal wrinkling of thin membranes using a Fourier-related double scale approach. *Thin-Walled Structures* 94 2015 532–544
- M. Soltani, B. Asgarian, F. Mohri Finite element method for stability and free vibration analyses of non-prismatic thin-walled beams. *Thin-walled structures*, 01/2014; 82:245–261
- M. Soltani, B. Asgarian, F. Mohri Elastic instability and free vibration analyses of tapered thin-walled beams by the power series method. *Journal of Constructional Steel Research*, 96 (2014) 106–126
- A Ed-dinari, H Mottaqui, B Braikat, M Jamal, F Mohri, N Damil Large torsion analysis of thin-walled open sections beams by the Asymptotic Numerical Method. *Engineering Structures* 81 2014 240–255
- B. Asgarian, M. Soltani, F. Mohri Lateral-torsional buckling of tapered thin-walled beams with arbitrary cross sections. *Thin-Walled Structures*, 62(2013)96–108

- S.A. Meftah , F. Mohri and E.M. Daya, Seismic behavior of RC coupled shear walls with strengthened coupling beams by bonded thin composite plates. *KSCE Journal of Civil Engineering* (2013) 17(2):403-414, Springer
- 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
- Abdelrahmane Bekaddour Benyamina, Sid Ahmed Meftah, Foudil Mohri, El Mostafa Daya. Analytical solutions attempt for Lateral Torsional Buckling of doubly symmetric web-tapered I beams. (2013) *Engineering Structures*, (2013) 17(2) 403-414
- F. Mohri, N. Damil, M. Potier-Ferry, Buckling and lateral buckling interaction in thin-walled beam-column elements with monosymmetric cross sections, *Applied Mathematical Modelling*, 37, pp 3526–3540, 2013
- Mohri F, Damil N. and Potier Ferry M. Pre-buckling deflection effects on stability of thin-walled beams with open sections. *Steel and Composite Structures*. 13(1) 2012 71-89
- 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
- F. Mohri, N. Damil, M. Potier-Ferry, Linear and non-linear stability analyses of thin-walled beams with monosymmetric I sections, *Thin-Walled Structures*. 48 (2010) 299-315.
- F. Mohri, C. Bouzerira, M. Potier-Ferry, Lateral buckling of thin-walled Beam-column elements under combined axial and bending loads, *Thin-Walled Structures*, 46 (2008) 290-302.
- F. Mohri, N. Damil, M. Potier-Ferry, Large torsion finite element model for thin-walled beams, *Computers and Structures*, 86 (2008) 671-683.
- F. Mohri, A. Eddinari, N. Damil, M. Potier-Ferry, A beam finite element for non linear analyses of thin-walled elements, *Thin-Walled Structures*, 46 (2008) 981-990.
- F.Mohri, N. Damil, M. Potier-Ferry: Torsion Approximation effect on non linear behaviour of thin-walled elements, paper 36, 11th Int Conf on Comp Structures Tech, Civil-Comp Press, 09/2012. Dubrovnik, Croatia.
- M Soltani, B Asgarian and F Mohri Finite element method for stability analysis of tapered thin-walled beams under lateral loads. *World Cong on Advances in Structural Eng and Mechs (ASEM 2013)*, 09/2013, Jeju, Korea
- F. Mohri, N. Damil, M. Potier-Ferry: Torsion Approximation effect on non linear behaviour of thin-walled elements, paper 36, *Proceedings of the Eleventh International Conf on Comp Structures Tech*, Civil-Comp Press, 2012.
- K Attipou, H Hu, F Mohri, M Potier-Ferry, S Belouettar: Analysis of buckling and wrinkling of plate under thermo-mechanical loading using a Fourier-related multi-scale approach. *CIMS 2012*, Glasgow, 2012
- F. Mohri, N. Damil, M. Potier-Ferry, Un modèle poutre 3D pour le calcul non linéaire des poutres à parois minces, *Communication 71 session 16, 19ème Congrès Français de Mécanique*, Marseille, 24-28 août 2009.
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