



**Professor Abdellatif Khamlichi**

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2005 – present: Modeling and Simulation of Mechanical Systems Laboratory, Faculty of Sciences at Tetouan, University Abdelmalek Essaadi, Morocco

2000 – 2005: Faculty of Sciences and Technology at Tangier

### Education:

1988 – 1995: Ph.D: Engineering mechanics, Ecole Centrale de Lyon, France

### Research Interests:

Professor of Mechanics, Numerical Methods, Finite element method, Waves and vibrations, Soil mechanics, Multibody mechanics, Fluid-structure interaction, Machine design, Mechatronical systems, Hydraulic and pneumatic actuators, Design-of-experiment, Acoustics, Statics, Lighting

### Selected Publications:

A. Khamlichi, M. Bezzazi and A. Limam, “Buckling of elastic cylindrical shells considering the effect of localized axisymmetric imperfections”, *Thin-Walled Structures*, Vol. 42, No. 7, July 2004, pp. 1035-1047

Abdellatif Khamlichi, Mohammed Bezzazi, Larbi Elbakkali, and Ali Limam, “Effet des imperfections géométriques sur la stabilité des coques élastiques cylindriques”, *Canadian Journal of Civil Engineering*; Feb 2004, Vol. 31 Issue 1, p27

Jalal El Bahaoui, Abdellatif Khamlichi, Larbi El Bakkali and Ali Limam, “Reliability Assessment of Buckling Strength for Compressed Cylindrical Shells with Interacting Localized Geometric Imperfections”, *American J. of Engineering and Applied Sciences* 3 (4): 620-628, 2010

Khamlichi, A., J. El Bahaoui, L. El Bakkali, M. Bezzazi and A. Limam, 2010. Effect of two interacting localized defects on the critical load for thin cylindrical shells under axial compression. *Am. J. Eng. Applied*

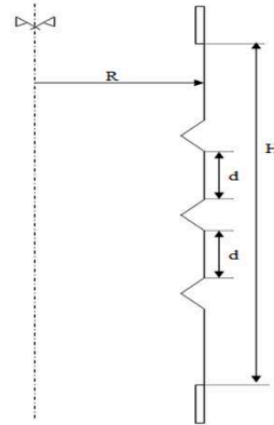


Fig. 3: Configurations of triangular localized geometric imperfections

From: Jalal El Bahaoui, Abdellatif Khamlichi, Larbi El Bakkali and Ali Limam, “Reliability Assessment of Buckling Strength for Compressed Cylindrical Shells with Interacting Localized Geometric Imperfections”, *American J. of Engineering and Applied Sciences* 3 (4): 620-628, 2010

Sci., 3: 464-469.

Limam Ali, El Bahaoui Jalal, Khamlichi Abdellatif and El Bakkali Larbi, "Effect of multiple localized geometric imperfections on stability of thin axisymmetric cylindrical shells under axial compression", *International Journal of Solids and Structures*, Vol. 48, No. 6, March 2011, pp. 1034-1043

J. Bahaoui, L. Bakkali and A. Khamlichi, Modeling and Simulation of Mechanical Systems Laboratory Faculty of Sciences at Tetouan BP. 2121 M'hannech, Tetouan Morocco, "Buckling strength of axially compressed thin axisymmetric shells as affected by localized initial geometric imperfections", *International Review of Applied Sciences and Engineering*, Vol. 3, No. 1, June 2012

Ouadia Mouhat, Abdellatif Khamlichi and Ali Limam, "Reliability Assessment of Buckling for Stiffened Panels by Considering Localized Geometric Imperfections", *Australian Journal of Basic and Applied Sciences*, 7(8): 616-624, 2013

O. Mouhat and A. Khamlichi (Communications Systems and Detection Laboratory; Abdelmalek Essaadi University, Tetouan 93002, Morocco), "Effect of loading pulse duration on dynamic buckling of stiffened panels", *MATEC Web of Conferences*, Vol. 16, 07006 (2014)

Ouadia Mouhat and Khamlichi Abdellatif, "Dynamic buckling of stiffened panels", *Procedia Engineering*, Vol. 125, pp 1001-1007, 2015

Mouhat Quadia and Khamlichi Abdellatif, "Reliability analysis of dynamic buckling stiffened panels", *Procedia Technology*, Vol. 22, pp 139-145, 2016