



Professor Mohammadreza Moradi

See:

https://www.researchgate.net/profile/Mohammadreza_Moradi2

<https://www.odu.edu/directory/people/m/mmoradi>

<https://www.linkedin.com/in/mohammadreza-moradi-60174331>

Civil and Environmental Engineering
Old Dominion University, Norfolk, Virginia, USA

Education:

2011 Ph.D in Structural Engineering, University of Massachusetts Amherst

2004 M.Sc. in Civil Engineering, Sharif University of Technology

2002 B.S. in Civil Engineering, Iran University of Science and Technology

Selected Publications:

M. Mohammadimehr, M. Moradi, A. Loghman, "Influence of the Elastic Foundation on the Free Vibration and Buckling of Thin-Walled Piezoelectric-Based FGM Cylindrical Shells Under Combined Loadings", *Journal of Solid Mechanics*, Vol. 6, No. 4 pp 347-365, 2014

Moradi, M., and Arwade, S. R. (2014). Improving buckling response of the square steel tube by using steel foam. *Structural Engineering & Mechanics, An International Journal*, 51 (6), (pp. 1017-1036).

Moradi, M., Arwade, S. R., and Schafer, B. W. (2013). Computational evaluation of limit states of thin-walled channels made from steel foams. *Thin-Walled Structures*, 62, (pp. 206-214).



Fig. 8 Deformed shape of the empty tube under the pure compression after (a) collapse analysis (b) eigenvalue analysis

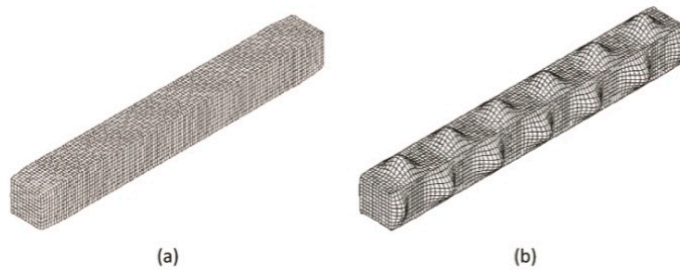


Fig. 9 Deformed shape of the fully filled tube under the pure compression after collapse analysis with (a) fully composite and (b) non composite behavior

From: Moradi, M., and Arwade, S. R. (2014). Improving buckling response of the square steel tube by using steel foam. *Structural Engineering & Mechanics, An International Journal*, 51 (6), (pp. 1017-1036).

Arwade, S. R., Moradi, M., and Louhghalam, A. (2010). Variance Decomposition and global sensitivity for structural systems. *Engineering Structures*, 32 (1), (pp. 1-10).

Moradi, M., Arwade, S. R., and Schafer, B. W. (2010). Steel foam mitigates instability in structural members.. Dresden: Proceedings of the CELLMAT 2010.