



Professor Sandor Adany

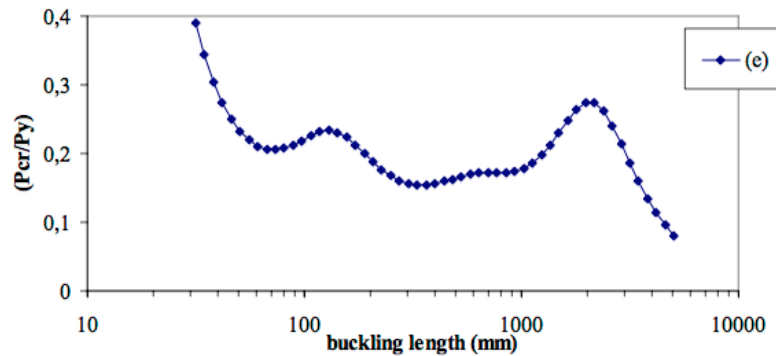


Figure 1.20: Critical forces for Example 9

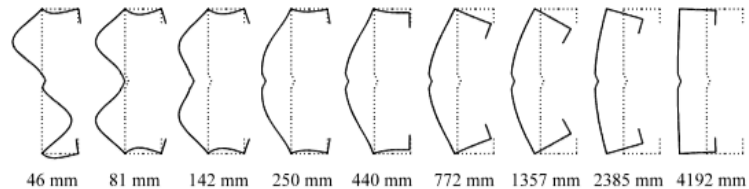


Figure 1.21: Buckled cross-section shapes for Example 9 at various buckling lengths

From: S. Ádány, B. Schafer, “Buckling Mode Classification of Members With Open Thin-Walled Cross-Sections”, CIMS ‘04 Fourth International Conference on Coupled Instabilities in Metal Structures Rome, Italy, 27-29 September, 2004. Also see: Johns Hopkins Research Report by Sandor Adany, 2004 (99 Pages <http://www.ce.jhu.edu/bschafer/cFSM/sandor2004report.pdf>)

See:

<https://www.me.bme.hu/en/profil/sandor-adany>

<http://www.epito.bme.hu/adany-sandor?language=en>

<https://scholar.google.hu/citations?user=b9fxa7QAAAAJ&hl=en>

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Research Interests:

Thin-walled structures, Stability problems of thin-walled structural members, Cyclic performance of connections in steel frames

Selected Publications:

S. Ádány, B. Schafer, “Buckling Mode Classification of Members With Open Thin-Walled Cross-Sections”, CIMS ‘04 Fourth International Conference on Coupled Instabilities in Metal Structures Rome, Italy, 27-29 September, 2004. Also see: Johns Hopkins Research Report by Sandor Adany, 2004 (99 Pages <http://www.ce.jhu.edu/bschafer/cFSM/sandor2004report.pdf>)

B.W. Schafer and S. Ádány, “Understanding and Classifying Local, Distortional and Global Buckling in Open Thin-Walled Members”, Annual Conference: Structural Stability Research Council, Montreal, Canada, 2005

Schafer BW, Adany, S (2006) Buckling analysis of cold-formed steel members using CUFSM: conventional and constrained finite strip methods. In: Proc. 18th International Specialty Conference on Cold-Formed Steel Structures, Orlando, Florida

Adany S., Schafer B.W., 2006, Buckling mode decomposition of single-branched open cross-section members via finite strip method: Derivation, *Thin-Walled Structures*, 44, 563-584

Adany S., Schafer B.W., 2006, Buckling mode decomposition of single-branched open cross-section members via finite strip method: Application and examples, *Thin-Walled Structures*, 44, 585-600

Adany S., Silvestre N., Schafer B.W., Camotim D., 2007, On the identification and characterization of local, distortional and global modes in thin-walled members using the cFSM and GBT approaches, *Proceeding of the Sixth International Conference on Steel and Aluminium Structures ICSAS'2007*, Beale R.G. (Ed.), Oxford Brookes University, 760-767

Sándor Ádány and B.W. Schafer, "A full modal decomposition of thin-walled, single-branched open cross-section members via the constrained finite strip method", *Journal of Constructional Steel Research*, Vol. 64, No. 1, January 2008, pp. 12-29

Adany S., Silvestre N., Schafer B.W., Camotim D., 2008, Buckling mode identification of thin-walled members: A comparison between cFSM and CBT approaches, *Proceedings of the fifth International Conference on Coupled Instabilities in Metal Structures CIMS2008*, Rasmussen K. and Wilkinson T. (Eds.), University Publishing Service, The University of Sydney, 249-256

Adany S, Silvestre N, Schafer BW, Camotim D (2009) GBT and cFSM: Two modal approaches to the buckling analysis of unbranched thin-walled members. *Adv Steel Constr* 5(2):195–223

Adany S, Joo AL, Schafer BW (2010) Buckling mode identification of thin-walled members by using cFSM base functions. *Thin-Walled Struct* 48(10–11):806–817

Adany S, Visy D (2012) Global buckling of thin-walled simply supported columns: Numerical studies. *Thin-Walled Struct* 54:82–93