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Selected Publications:

- Maheri, M. R. and Severn, R. T. [1987] “ Dynamic investigations of cylindrical structures in contact with liquid,” in *Steel Structures: Advances in Design and Construction*, ed. R. Narayanan (Elsevier, London), pp. 643–652.
- Maheri, M.R., Severn, R.T.(1989). “Impulsive hydrodynamic pressure in ground-based cylindrical structures.” *Journal of Fluids and Structures*, 3, 555-577.
- Maheri, M. R. , and Severn, R. T. , 1992, “ Experimental Added-Mass in Modal Vibration of Cylindrical Structures,” *Eng. Struct.*, 14(3), pp. 163–175.
- R. Adams, M. Maheri, Dynamic flexural properties of anisotropic fibrous composite beams, *Compos. Sci. Technol.*, vol. 50, no. 4, pp. 497–514, 1994.
- M. Maheri, R. Adams, Finite-element prediction of modal response of damped layered composite panels, *Compos. Sci. Technol.*, vol. 55, no. 1, pp. 13–23, 1995.
- Maheri MR, Adams RD (2003) Modal vibration damping of anisotropic FRP laminates using the Rayleigh-Ritz energy minimization scheme. *J Sound Vib* 259:17–29
- R.A. Izadifard and M.R. Maheri, “Soil-structure interaction effects in buried cylindrical concrete structures”, *Proceedings of the Tenth International Conference on Civil, Structural and Environmental Engineering Computing*, B.H.V. Topping (Editor), Civil-Comp Press, Stirling, Scotland, Paper No. 271, January 2005
- Mahmoud R. Maheri, “Performance of building roofs in the 2003 Bam, Iran earthquake”, *Earthquake Spectra*, Vol. 21, No. Sq, pp 5411-5424, December 2005
- M.R. Maheri, R.D. Adams. Vibration damping in sandwich panels. *J Mater Sci* 2008; 43: 6604-6618.
- Dehghan Manshadi, S. H. and Maheri, M. R. [2010] “ The effects of long-term corrosion on the dynamic characteristics of ground based cylindrical liquid storage tanks,” *Thin-Walled Structures* 48(12), 888–896.

After 15 years ($H/D = 0.95$)

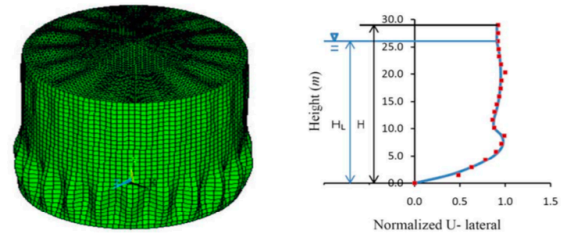


Fig. 5. The change in the circumferential wave number of the fundamental mode of the tall tank from ($n = 1$) to a variable high order after 15 years.

From: M.R. Maheri and H. Dehghan Manshadi, “The influence of non-uniform thickness due to corrosion on dynamic characteristics of anchored cylindrical tanks”, *Proceedings of the ASCE Structures Congress, 2010*, pp 3602-3613

M.R. Maheri and H. Dehghan Manshadi, "The influence of non-uniform thickness due to corrosion on dynamic characteristics of anchored cylindrical tanks", Proceedings of the ASCE Structures Congress, 2010, pp 3602-3613

M. R. Maheri, Journal of Composite Materials 45(13), 1411 (2011).

Mahmoud R. Maheri and A. Abdollahi, "Corrosion effects on the buckling of steel tanks under seismic loading", 15 WCEE, Lisbon, 2012

Mahmoud R. Maheri and A. Abdollahi, "The effects of long term uniform corrosion on the buckling of ground based steel tanks under seismic loading", Thin-Walled Structures, Vol. 62, pp 1-9, January 2013

Marzie Zarifkar and Mahmoud R. Maheri, "The effect of long-term corrosion on dynamic behaviour of unanchored steel cylindrical tanks", 7th International Conference on Seismology and Earthquake Engineering, 18-21 May, 2015

A. Torabi and Mahmoud R. Maheri, "Seismic repair and retrofit of RC beam-column joints using stiffened steel plates", Iranian Journal of Science and Technology Transactions of Civil Engineering, September 2016

Mahmoud R. Maheri, M.E. Karbaschi and M. Mahzoon, "Analytical evaluation of dynamic characteristics of unanchored circular ground-based steel tanks", Thin-Walled Structures, Vol. 109, pp 251-259, December 2016

Mahmoud R. Maheri and M.E. Karbaschi, "Dynamic properties of unanchored circular ground-based steel tanks", EUROSTEEL 2017, Copenhagen, Denmark, September 13-15, 2017

Aslan Abbasloo and Mohammad Reza Maheri, "Prediction of modal damping of FRP-honeycomb sandwich panels with arbitrary geometries", Latin American Journal of Solids and Structures, Vol. 14, No. 1, pp 17-35, 2017

Mahmoud R. Maheri and Ashkan Torabi, "Strengthening joints of RC frames with stiffened steel plates", 8th International Conference on Seismology and Earthquake Engineering, November 2019, Tehran, Iran