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Selected Publications:

- G.C. Jang, K.H. Chang and C.H. Lee, “Characteristics of the residual stress distribution in welded tubular T-joints”, *Journal of Mechanical Science and Technology*, Vol. 21, pp 1714-1719, 2007
- Chin-Hyung Lee, Jeong-Hoon Baek and Kyong-Ho Chang, “Bending capacity of girth-welded circular steel tubes”, *Journal of Constructional Steel Research*, Vol. 75, pp 142-151, August 2012
- Chin-Hyung Lee, Kyong-Ho Chang, Ki-Tae Park, Hyun-Seop Shin and Taegy Kim, “Bending resistance of girth-welded stainless steel circular hollow sections”, *Thin-Walled Structures*, Vol. 73, pp 174-184, December 2013
- Chin-Hyung Lee, Kyong-Ho Chang, Ki-Tae Park, Hyun-Seop Shin and Moonseok Lee, “Compressive strength of girth-welded stainless steel circular hollow section members: Stub columns”, *Journal of Steel Constructional Steel Research*, Vol. 92, pp 15-24, January 2014
- Jun-Tai Jeon, Kyong-Ho Chang and Chin-Hyung Lee, “Behavior of a girth-welded duplex stainless steel pipe under external pressure”, *Ocean Engineering*, Vol. 109, pp 93-102, November 2015
- Chin-Hyung Lee, Kyong-Ho Chang and Vuong Nguyen Van Do, “Numerical investigation on the ratcheting behavior of pressurized stainless steel pipes under cyclic in-plane bending”, *Marine Structures*, Vol. 49, pp 224-238, September 2016
- Wan-Gon Bae, Kyong-Ho Chang and Chin-Hyung Lee, “Progressive inelastic deformation of a girth-welded stainless steel pipe under internal pressure and cyclic bending”, *Ocean Engineering*, Vol. 128, pp 81-93, December 2016
- Vuong Nguyen Van Do and Chin-Hyung Lee, “Thermal buckling analyses of FGM sandwich plates using the improved radial point interpolation mesh-free method”, *Composite Structures*, Vol. 177, pp 171-186, October 2017

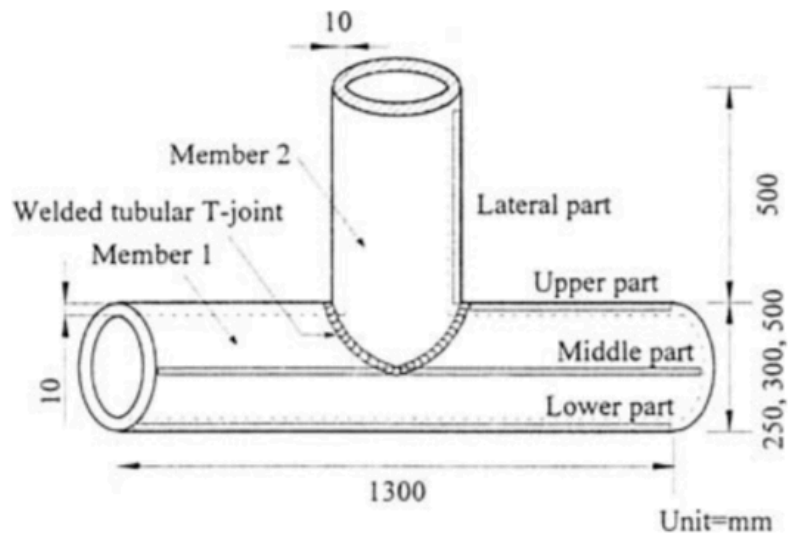


Fig. 1. Configuration of analysis model and observing parts.

From: G.C. Jang, K.H. Chang and C.H. Lee, “Characteristics of the residual stress distribution in welded tubular T-joints”, *Journal of Mechanical Science and Technology*, Vol. 21, pp 1714-1719, 2007

Vuong Nguyen Van Do and Chin-Hyung Lee, "Nonlinear analyses of FGM plates in bending by using a modified radial point interpolation mesh-free method", *Applied Mathematical Modelling*, Vol. 57, pp 1-20, May 2018

Vuong Nguyen Dan Do and Chin-Hyung Lee, "Nonlinear thermal buckling analyses of functionally graded circular plates using higher-order shear deformation theory with a new transverse shear function and an enhanced mesh-free method", *Acta Mechanica*, Vol. 229, No. 9, pp 3787-3811, September 2018

Vuong Nguyen Van Do and Chin-Hyung Lee, "Quasi-3D higher-order shear deformation theory for thermal buckling analysis of FGM plates based on a meshless method", *Aerospace Science and Technology*, Vol. 82-83, pp 450-465, November 2018

Vuong Nguyen Van Do and Chin-Hyung Lee, "Numerical investigation on post-buckling behavior of FGM sandwich plates subjected to in-plane mechanical compression", *Ocean Engineering*, Vol. 170, pp 20-42, 15 December 2018

Vuong Nguyen Van Do, Thanh Hi Ong and Chin-Hyung Lee, "Isogeometric analysis for nonlinear buckling of FGM plates under various types of thermal gradients", *Thin-Walled Structures*, Vol. 137, pp 448-462, April 2019

Vuong Nguyen Van Do, Kyong-Ho Chang, Chin-Hyung Lee, "Post-buckling analysis of FGM plates under in-plane mechanical compressive loading by using a mesh-free approximation", *Archive of Applied Mechanics*, Vol. 89, No. 7, pp 1421-1446, July 2019

Vuong Nguyen Van Do, Chin-Hyung Lee, "Free vibration analysis of FGM plates with complex cutouts by using quasi-3D isogeometric approach", *International Journal of Mechanical Science*, Vol. 159, pp 213-233, August 2019

Vuong Nguyen Van Do, Chin-Hyung Lee, "Mesh-free thermal buckling analysis of multilayered composite plates based on an n th-order shear deformation theory", *Composite Structures*, Vol. 224, Article 111042, 15 September 2019

Vuong Nguyen Van Do, Chin-Hyung Lee, "Quasi-3D isogeometric buckling analysis method for advanced composite plates in thermal environments", *Aerospace Science and Technology*, Vol. 92, pp 34-54, September 2019