

Professor Le Kha Hoa

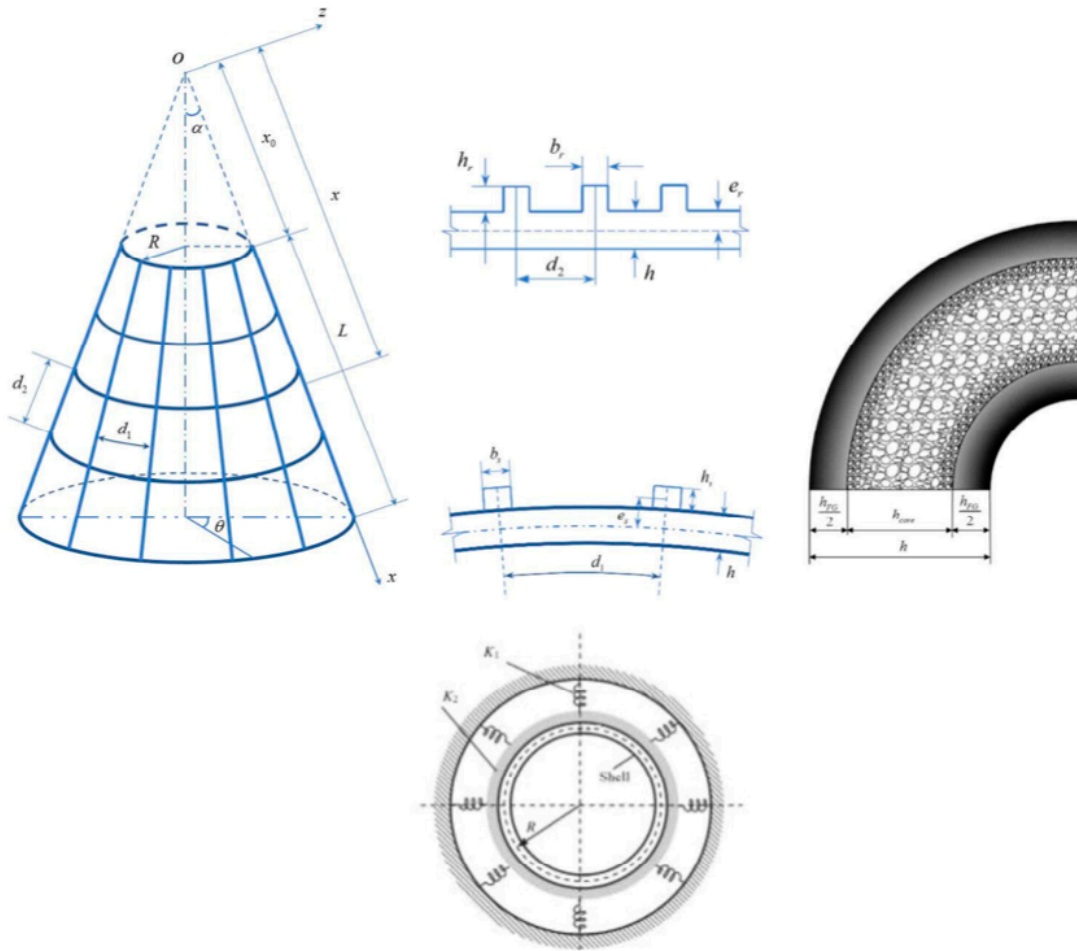


Figure 1. Geometry configurations and coordinates of the PSTC.

The images above are from: Suc-Kien Thai, Tran Minh Tu, Le Kha Hoa, Dang Xuan Hung and Nguyen Ngoc Linh, “Nonlinear stability analysis of eccentrically stiffened functionally graded truncated conical sandwich shells with porosity”, *Materials*, Vol. 11, 2200, 2018, doi:10.3390/ma11112200

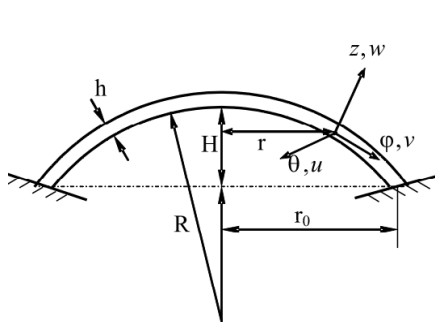


Fig. 1. Geometry of spherical cap

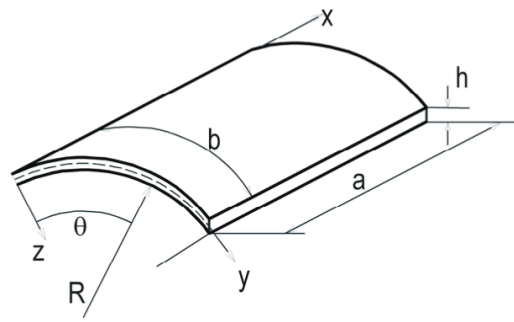


Fig. 1. FGM cylindrical panels

The left-hand image above is from: Dao Huy Bich and Le Kha Hoa, “Non - linear vibration of functionally graded shallow spherical shells”, *Vietnam Journal of Mechanics*, VAST, Vol. 32, No. 4, pp 199-210, 2010
The right-hand image above is from: Dao Van Dung and Le Kha Hoa, “Nonlinear analysis of buckling and postbuckling for axially compressed functionally graded cylindrical panels with the Poisson’s ratio varying smoothly along the thickness”, *Vietnam Journal of Mechanics*, Vol. 34, No. 1, pp 27-44, 2012

Professor Le Kha Hoa

See:

https://www.researchgate.net/profile/Le_Hoa9

<https://scholar.google.com.vn/citations?user=nQ2zvBwAAAAJ&hl=vi>

Physics-Engineering Fundamentals, Faculty of Basic Science, Military Logistic Academy, Hanoi, Viet Nam
And:

Vietnam National University, Hanoi, Viet Nam

Selected Publications:

Dao Huy Bich and Le Kha Hoa, “Non - linear vibration of functionally graded shallow spherical shells”, Vietnam Journal of Mechanics, VAST, Vol. 32, No. 4, pp 199-210, 2010

Dao Van Dung and Le Kha Hoa, “Nonlinear analysis of buckling and postbuckling for axially compressed functionally graded cylindrical panels with the Poisson’s ratio varying smoothly along the thickness”, Vietnam Journal of Mechanics, Vol. 34, No. 1, pp 27-44, 2012

Dao Van Dung and Le Kha Hoa, “Solving Nonlinear Stability Problem Of Imperfect Functionally Graded Circular Cylindrical Shells Under Axial Compression By Galerkin’s Method”, Vietnam Journal of Mechanics, VAST, Vol. 34, No. 3 (2012), pp. 139 – 156

D.H. Bich, D.V. Dung, and L.K. Hoa, Nonlinear static and dynamic buckling analysis of functionally graded shallow spherical shells including temperature effects, Compos. Struct., vol. 94, no. 9, pp. 2952–2960, 2012.

D.V. Dung, L.K. Hoa, N.T. Nga, L.T.N. Anh, Instability of eccentrically stiffened functionally graded truncated conical shells under mechanical loads, Compos Struct, 106 (2013), pp. 104–113

D.V. Dung, L.K. Hoa, Nonlinear buckling and postbuckling analysis of eccentrically stiffened functionally graded circular cylindrical shells under external pressure, Thin-Walled Struct, 63 (2013), pp. 117–124

D.V. Dung, L.K. Hoa, Research on nonlinear torsional buckling and post-buckling of eccentrically stiffened functionally graded thin circular cylindrical shells, Compos B, 51 (2013), pp. 300–309

Dao Van Dung, Le Kha Hoa, Nguyen Thi Nga, “On the stability of functionally graded truncated conical shells reinforced by functionally graded stiffeners and surrounded by an elastic medium”, Composite Structures, Vol. 108:77–90, January 2014

D.V. Dung, L.K. Hoa, Research on nonlinear torsional buckling and post-buckling of eccentrically stiffened FGM cylindrical shell in thermal environment, Compos B Eng, 69 (2015), pp. 378–388

D.V. Dung, L.K. Hoa, Semi-analytical approach for analyzing the nonlinear dynamic torsional buckling of stiffened functionally graded material circular cylindrical shells surrounded by an elastic medium, Appl Math Model, 39 (2015), pp. 6951–6967

D.V. Dung, L.K. Hoa, B.T. Thuyet and N.T. Nga, “Buckling analysis of functionally graded material (FGM) sandwich truncated conical shells reinforced by FGM stiffeners filled inside by elastic foundations”, Applied Mathematics and Mechanics, Vol. 37, No. 7, pp 879-902, July 2016

Dao Van Dung, Bui Thi Thu Hoai and Le Kha Hoa, “Postbuckling nonlinear analysis of FGM truncated conical shells reinforced by orthogonal stiffeners resting on elastic foundations”, Acta Mechanica, Vol. 228, No. 4, pp 1457-1479, April 2017

Suc-Kien Thai, Tran Minh Tu, Le Kha Hoa, Dang Xuan Hung and Nguyen Ngoc Linh, “Nonlinear stability analysis of eccentrically stiffened functionally graded truncated conical sandwich shells with porosity”, Materials, Vol. 11, 2200, 2018, doi:10.3390/ma11112200

Dao Van Dung, Le Thi Ngoc Anh and Le Kha Hoa, “Analytical investigation on the free vibration behavior of rotating FGM truncated conical shells reinforced by orthogonal eccentric stiffeners”, Mechanics of Advanced Materials and Structures, Vol. 25, No. 1, pp 32-46, 2018

Do Quang Chan, Dao Van Dung and Le Kha Hoa, “Thermal buckling analysis of stiffened FGM truncated conical shells resting on elastic foundations using FSDT”, Acta Mechanica, Vol. 229, No. 5, pp 2221-2249, May 2018

Le Kha Hoa, Nguyen-Thoi Trung, Pham Van Hoan and Pham Le Ben, "Nonlinear Instability Analysis of Functionally Graded Sandwich Truncated Conical Shells Reinforced by Stiffeners Resting on Elastic Foundations", *International Journal of Structural Stability and Dynamics*, Vol. 19, No. 8, 1950082, August 2019

Vu Hoai Nam, Nguyen-Thoi Trung and Le Kha Hoa, "Buckling and postbuckling of porous cylindrical shells with functionally graded composite coating under torsion in thermal environment", *Thin-Walled Structures*, Vol. 144, November 2019

Le Kha Hoa, Bui Thi Thu Hoai & Do Quang Chan, "Nonlinear thermomechanical postbuckling analysis of ES-FGM truncated conical shells resting on elastic foundations", *Mechanics of Advanced Materials and Structures*, Vol. 26, No. 13, pp 1089-1103, 2019

Tran Minh Tu, Le Kha Hoa, Dang Xuan Hung and Le Thanh Hai, "Nonlinear buckling and post-buckling analysis of imperfect porous plates under mechanical loads", *Journal of Sandwich Structures and Materials*, Vol. 22, No. 6, pp 1910-1930, September 2020