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Selected Publications:

Mondher Wali, Abdessalem Hajlaoui, Jamel Mars, K. El Bikri, Abdessalem Jarraya and Fakhreddine Dammak, "FGM Shell structures analysis using an enhanced discrete double directors shell element", in *Mechatronic Systems: Theory and Applications*, pp 131-147, 2014, Springer

Wali, M., Hajlaoui, A., Dammak, F., (2014). Discrete double directors shell element for the functionally graded material shell structures analysis. *Computer Methods in Applied Mechanics and Engineering* 278:388-403

Wali, M., Hentati, T., Jarraya, A., Dammak, F., (2015). Free vibration analysis of FGM shell structures with a discrete double directors shell element. *Composite Structures* 125:295-303

Abdessalem Hajlaoui, Abdessalem Jarraya, Mondher Wali and Fakhreddine Dammak, "A higher order shear strain enhanced solid-shell element for laminated composites structures analysis", in *Multiphysics Modelling and Simulation for Systems Design and Monitoring*, pp 497-506, 2015, Springer

Frikha, A., Wali, M., Hajlaoui, A., Dammak, F., (2016). Dynamic response of functionally graded material shells with a discrete double directors shell element. *Composite Structures* 154: 385-395

Hajlaoui, A., Wali, M., Ben Jdidia, M., Dammak, F., (2016). An improved Enhanced Solid Shell Element for Static and Buckling Analysis of shell structures, *Mechanics & Industry*, 17:510

A. Hajlaoui, E. Triki, A. Frikha, M. Wali and F. Dammak, "Nonlinear dynamics analysis of FGM shell structures with a higher order shear strain enhanced solid-shell element", *Latin American Journal of Solids and Structures*, Vol. 14, No. 1, Rio de Janeiro, January 2017

Abdessalem Hajlaoui, Emna Triki, Ahmed Frikha, Mondher Wali and Fakhreddine Dammak, "Nonlinear dynamics analysis of FGM shell structures with a higher order shear strain solid-shell element", *Latin American Journal of Solids and Structures*, Vol. 14, No. 1, pp 72-91, 2017

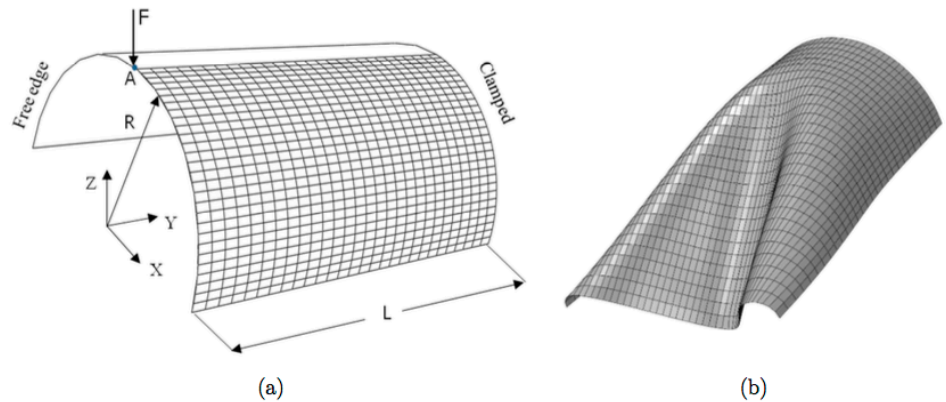


Figure 23: Semi-cylindrical FGM shell subjected to a pinching force. a) Geometry properties, b) The deformed 28x28 mesh of the pinched under maximum load for cylinder FGM shell ($n=0.2$).

From: J. Mars, S. Koubaa, M. Wali and F. Dammak, "Numerical analysis of geometrically non-linear behavior of functionally graded shells", *Latin American Journal of Solids and Structures*, Vol. 14, No. 11, pp 1952-1978, 2017

J. Mars, S. Koubaa, M. Wali and F. Dammak, "Numerical analysis of geometrically non-linear behavior of functionally graded shells", Latin American Journal of Solids and Structures, Vol. 14, No. 11, pp 1952-1978, 2017

Jamel Mars, Lotfi Ben Said, Mondher Wali and Fakhreddine Dammak, "Elasto-plastic modeling of low-velocity impact on functionally graded circular plates", International Journal of Applied Mechanics, Vol. 10, No. 4, May 2018