



Professor Ahmed Frikha

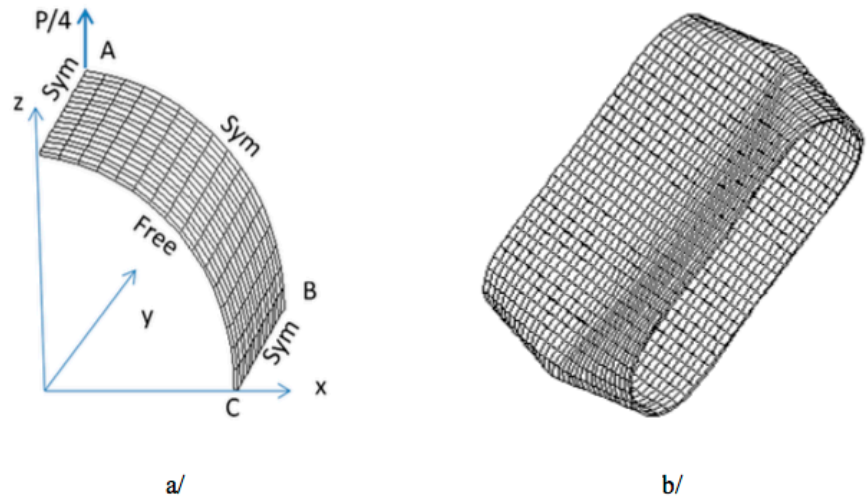


Figure 2: Pull-out of an open-ended cylindrical shell a/ Finite element model, b/ Reel deformed configuration at $P=40000$.

From: 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

See:

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Selected Publications:

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

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

A. Hajlaoui, E. Triki, A. Frikha and F. Dammak, "Non-linear dynamics analysis of multilayer composite shells with enhanced solid-shell elements", *Advances in Acoustics and Vibration*, pp 291-300, 2017

Zghal, S., Frikha, A. and Dammak, F. (2017), "Static analysis of functionally graded carbon nanotube-reinforced plate and shell structures", *Compos. Struct.*, 176, 1107-1123.

Frikha, A., Dammak, F., (2017). Geometrically non-linear static analysis of functionally graded material shells with discrete double directors shell element. *Computer Methods in Applied Mechanics and Engineering*. 315:1-24

- A. Frikha, S. Zghal and F. Dammak, "Finite rotation three and four nodes shell elements for functionally graded carbon nanotubes-reinforced thin composite shells analysis", *Computer Methods in Applied Mechanics and Engineering*, Vol. 329, pp 289-311, 1 February 2018
- A. Frikha, S. Zghal and F. Dammak, "Dynamic analysis of functionally graded carbon nanotubes-reinforced plate and shell structures using a double directors finite shell element", *Aerospace Science and Technology*, Vol. 78, pp 438-451, July 2018
- S. Trabelsi, A. Frikha, S. Zghal and F. Dammak, "Thermal post-buckling analysis of functionally graded material structures using a modified FSDT", *International Journal of Mechanical Sciences*, Vol. 144, pp 74-89, August 2018
- S. Zghal, A. Frikha and F. Dammak, "Mechanical buckling analysis of functionally graded power-based and carbon nanotubes-reinforced composite plates and curved panels", *Composites Part B: Engineering*, Vol. 150, pp 165-183, 1 October 2018