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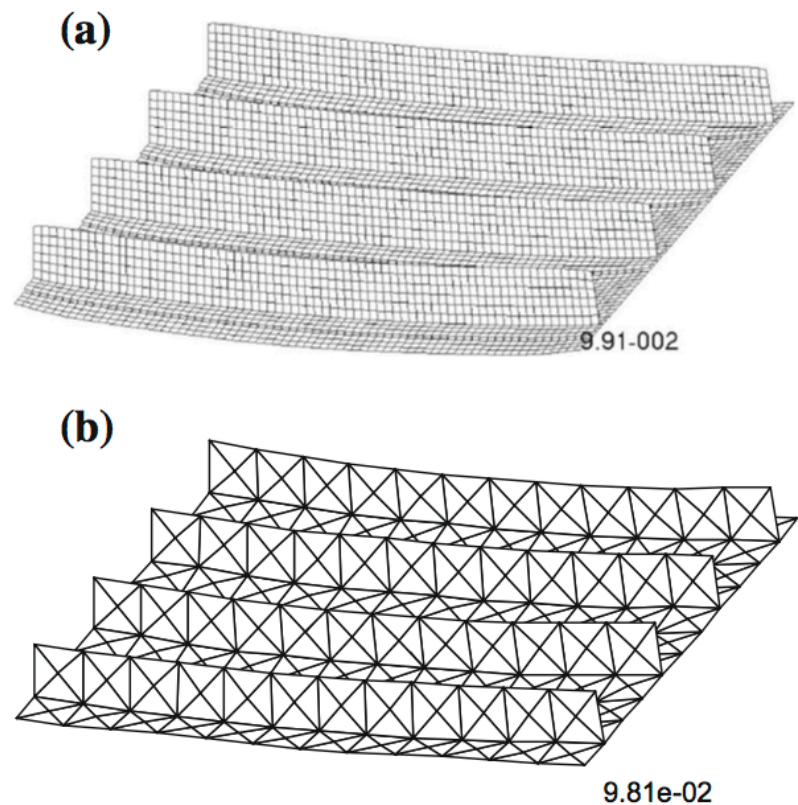
### Selected Publications

M. Di Sciuva, M. Gherlone, and L. Librescu, “Implications of damaged interfaces and of other non-classical effects on the load carrying capacity of multilayered composite shallow shells”, *International Journal of Non-Linear Mechanics*, 37, 851-867, 2002.

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**Fig. 9** Deformed shape of the panel subjected to the thermal load: **a** NASTRAN evaluated deflection and **b** iFEM prediction

From: Priscilla Cerracchio, Marco Gherlone and Alexander Tessler, “Real-time displacement monitoring of a composite stiffened panel subjected to mechanical and thermal loads”, *Meccanica*, Vol. 50, pp 2487-2496, 2015

Marco Gherlone, Massimiliano Mattone, Cecilia Surace, Alessandra Tassotti and Alexander Tessler, "Novel vibration-based methods for detecting delamination damage in composite plate and shell laminates", *Key Engineering Materials*, Vols. 293-294, pp 289-296, 2005

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Alexander Tessler, Marco Di Sciuva and Marco Gherlone, "Recent advances in zigzag methodology for composite beams and plates", *Virginia Tech Mechanics Conference*, May 29030, 2008

A. Tessler, M. Di Sciuva, and M. Gherlone, "Recent advances toward computationally desirable zigzag bending theories for laminated composite and sandwich plates", 13th Conference on the Mathematics of Finite Elements and Applications Brunel University (MAFELAP), UK, 9 - 12 June, 2009 (keynote lecture).

Gherlone, M., Tessler, A., Sciuva, Di, M.: A C0-continuous two-node beam element based on refined zigzag theory and interdependent interpolation. In: *MAFELAP 2009 Conference*, Brunel University, London (2009)

D. Versino, M. Mattone, M. Gherlone, A. Tessler, and M. Di Sciuva, "An efficient, C0-continuous triangular element for laminated composite and sandwich plates with improved zigzag kinematics", *MAFELAP 2009 Conference*, Brunel University, London (UK), June 2009

M. Di Sciuva, M. Gherlone, and A. Tessler, "A robust and consistent first-order zigzag theory for multilayered beams", In *Advances in Mathematical Modelling and Experimental Methods for Materials and Structures: The Jacob Aboudi Volume* (Eds. R. Gilat, L. Banks-Sills) Springer (USA), ISBN, 255-268, 2009.

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Luigi Iurlaro, Marco Gherlone and Marco Di Sciuva, “A mixed cubic zigzag model for multilayered composite and sandwich plates including transverse normal deformability”, 11<sup>th</sup> World Congress on Computational Mechanics (WCCM XI); 5<sup>th</sup> European Conference on Computational Mechanics (ECCM V); 6<sup>th</sup> European Conference on Computational Fluid Dynamics (ECFD VI), E. Onate, J. Oliver and A. Huerta (Editors), 2014  
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