

Figure 1: Plate geometry and notations. Piezoelectric configuration: actuator and sensor.

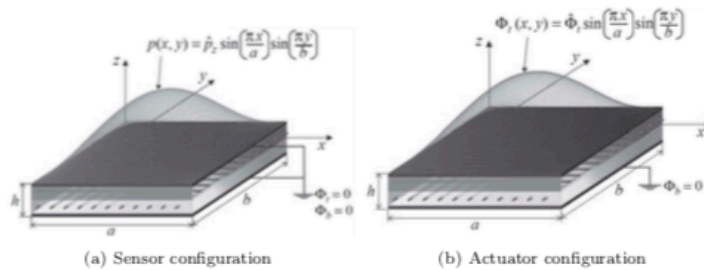


Figure 2: Piezoelectric plate configuration: actuator and sensor.



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### Selected Publications:

Alberto Varello and Alessandro Lamberti, "Static aeroelastic response of wing-structures accounting for in-plane cross-section deformation", *International Journal of Aeronautical & Space Sciences*, Vol. 14, No. 4, pp 310-323, 2013

Mashat DS, Carrera E, Zenkour AM, Al Katheeb SA, Lamberti A. Evaluation of refined theories for multilayered shells via Axiomatic/Asymptotic method. *Journal of Mechanical Science and Technology* 2014; 28(11):4663-4672.

M. Cinefra, A. Lamberti, A.M. Zenkour, E. Carrera, Axiomatic/asymptotic technique applied to refined theories for piezoelectric plates, *Mech. Adv. Mat. Struct.* 22 (1–2) (2015) 107–124.

Carrera E, Cinefra M, Lamberti A, Zenkour AM. Axiomatic/Asymptotic Evaluation of Refined Plate Models for Thermomechanical Analysis. *Journal of Thermal Stresses* 2015, 38(2), pp. 165-187

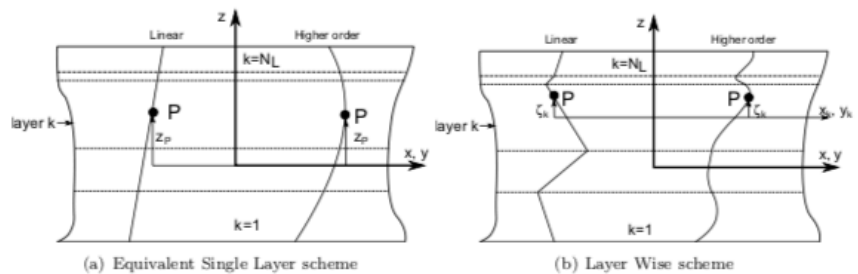


Figure 3: Linear and higher order ESL and LW examples.

From: M. Cinefra, A. Lamberti, A.M. Zenkour, E. Carrera, Axiomatic/asymptotic technique applied to refined theories for piezoelectric plates, *Mech. Adv. Mat. Struct.* 22 (1–2) (2015) 107–124.

M. Petrolo, M. Cinefra, A. Lamberti, E. Carrera, Evaluation of Mixed Theories for laminated plates through the axiomatic/asymptotic method, *Composites, Part B* 76 (2015) 260–272.

E. Carrera, M. Cinefra, A. Lamberti, M. Petrolo, Results on best theories for metallic and laminated shells including layer-wise models, *Compos. Struct.* 126 (2015) 285–298.

M. Petrolo, A. Lamberti, Axiomatic/asymptotic analysis of refined layer-wise theories for composite and sandwich plates, *Mech. Adv. Mat. Struct.* 23 (1) (2016) 28–42.

M. Petrolo, A. Lamberti, F. Miglioretti, Best theory diagram for metallic and laminated composite plates, *Mech. Adv. Mat. Struct.* 23 (9) (2016) 1114–1130.

Cinefra M, Carrera E, Lamberti A, Petrolo M. Best Theory Diagrams for multilayered plates considering multifield analysis. *Journal of Intelligent Material Systems and Structures* In Press.