

He, X. Q.; Li, L.; Kitipornchai, S.; Wang, C. M.; Zhu, H. P.

Bi-stable analyses of laminated FGM shells. (English) Zbl 1359.74292

Int. J. Struct. Stab. Dyn. 12, No. 2, 311-335 (2012).

MSC:

74K25 Shells

74E30 Composite and mixture properties

Cited in 1 Document

Keywords:

bi-stable; cylindrical FGM shell; laminate; two-parameter analytical model

Full Text: [DOI](#)

References:

- [1] M. W. Hyer, *Journal of Composite Materials* 15, 175 (1981), DOI: 10.1177/002199838101500207. [genRefLink\(16, 'rf1', '10.1177%252F002199838101500207'\)](#); [genRefLink\(128, 'rf1', 'A1981LU64800007'\)](#);
- [2] M. W. Hyer, *Journal of Composite Materials* 15, 296 (1981), DOI: 10.1177/002199838101500207. [genRefLink\(128, 'rf2', 'A1981MN14200001'\)](#);
- [3] K. Iqbal, S. Pellegrino and A. Daton-Lovett, *Utam-Iass Symposium on Deployable Structures: Theory and Applications*, eds. S. Pellegrino and S. D. Guest (Springer, Dordrecht, 2000) pp. 153-162. [genRefLink\(16, 'rf3', '10.1007%252F978-94-015-9514-8_17'\)](#);
- [4] K. Iqbal and S. Pellegrino, *Bi-stable composite shells*, *Collection of the 41st Aiaa/Asme/Asce/Ahs/Asc Structures, Structural Dynamics and Materials Conference and Exhibit1* (American Institute of Aeronautics & Astronautics, Reston, 2000) pp. 415-422.
- [5] A. D. Norman, K. A. Seffen and S. D. Guest, *Proceedings of the Royal Society A – Mathematical Physical and Engineering Sciences* 464, 1653 (2008), DOI: 10.1098/rspa.2007.0216. [genRefLink\(16, 'rf5', '10.1098%252Frspace.2007.0216'\)](#); [genRefLink\(128, 'rf5', '000255814900001'\)](#);
- [6] D. A. Galletly and S. D. Guest, *International Journal of Solids and Structures* 41, 4517 (2004), DOI: 10.1016/j.ijsolstr.2004.02.036. [genRefLink\(16, 'rf6', '10.1016%252Fj.ijsolstr.2004.02.036'\)](#); [genRefLink\(128, 'rf6', '000222819000015'\)](#);
- [7] D. A. Galletly and S. D. Guest, *International Journal of Solids and Structures* 41, 4503 (2004), DOI: 10.1016/j.ijsolstr.2004.02.037. [genRefLink\(16, 'rf7', '10.1016%252Fj.ijsolstr.2004.02.037'\)](#); [genRefLink\(128, 'rf7', '000222819000014'\)](#);
- [8] M. L. Dano and M. W. Hyer, *Int. J. Solids Struct.* 39, 175 (2002), DOI: 10.1016/S0020-7683(01)00074-9. [genRefLink\(16, 'rf8', '10.1016%252FS0020-7683%252801%252900074-9'\)](#); [genRefLink\(128, 'rf8', '000172897100010'\)](#);
- [9] M. R. Schultz, *Composites Science and Technology* 66, 2442 (2006), DOI: 10.1016/j.compscitech.2006.01.027. [genRefLink\(16, 'rf9', '10.1016%252Fj.compscitech.2006.01.027'\)](#); [genRefLink\(128, 'rf9', '000240486700009'\)](#);
- [10] M. L. Dano and M. W. Hyer, *International Journal of Solids and Structures* 40, 5949 (2003), DOI: 10.1016/S0020-7683(03)00374-3. [genRefLink\(16, 'rf10', '10.1016%252FS0020-7683%252803%252900374-3'\)](#); [genRefLink\(128, 'rf10', '000185519800005'\)](#);
- [11] E. Kabadze, S. D. Guest and S. Pellegrino, *International Journal of Solids and Structures* 41, 2801 (2004), DOI: 10.1016/j.ijsolstr.2004.01.028. [genRefLink\(16, 'rf11', '10.1016%252Fj.ijsolstr.2004.01.028'\)](#); [genRefLink\(128, 'rf11', '000221349500001'\)](#); · [Zbl 1119.74473](#)
- [12] S. D. Guest and S. Pellegrino, *Proceedings of the Royal Society A – Mathematical Physical and Engineering Sciences* 462, 839 (2006), DOI: 10.1098/rspa.2005.1598. [genRefLink\(16, 'rf12', '10.1098%252Frspace.2005.1598'\)](#); [genRefLink\(128, 'rf12', '000235237800007'\)](#);
- [13] R. L. Williamson, B. H. Rabin and J. T. Drake, *Journal of Applied Physics* 74, 1310 (1993), DOI: 10.1063/1.354910. [genRefLink\(16, 'rf13', '10.1063%252F1.354910'\)](#); [genRefLink\(128, 'rf13', 'A1993LM78200085'\)](#);
- [14] Y. Obata and N. Noda, *Archive of Applied Mechanics* 66, 581 (1996), DOI: 10.1007/BF00808146. [genRefLink\(16, 'rf14', '10.1007%252FBF00808146'\)](#); [genRefLink\(128, 'rf14', 'A1996VH79900006'\)](#);
- [15] G. N. Praveen and J. N. Reddy, *International Journal of Solids and Structures* 35, 4457 (1998), DOI: 10.1016/S0020-7683(97)00253-9. [genRefLink\(16, 'rf15', '10.1016%252FS0020-7683%252897%252900253-9'\)](#); [genRefLink\(128, 'rf15', '000075278600008'\)](#);
- [16] X. Q. He, *International Journal of Solids and Structures* 38, 1641 (2001), DOI: 10.1016/S0020-7683(00)00050-0. [genRefLink\(16, 'rf16', '10.1016%252FS0020-7683%252800%252900050-0'\)](#); [genRefLink\(128, 'rf16', '000166809000011'\)](#);
- [17] K. M. Liew, *International Journal for Numerical Methods in Engineering* 55, 653 (2002), DOI: 10.1002/nme.519. [genRefLink\(16, 'rf17', '10.1002%252Fnme.519'\)](#); [genRefLink\(128, 'rf17', '000178136700002'\)](#);
- [18] R. Gunes and J. N. Reddy, *International Journal of Structural Stability and Dynamics* 8, 131 (2008). [Abstract] [genRefLink\(128, 'rf18', '000254292900008'\)](#);

- [19] S. C. Han, G. R. Lomboy and K. D. Kim, *International Journal of Structural Stability and Dynamics* 8, 203 (2008). [Abstract] [genRefLink\(128, 'rf19', '000257540400001'\)](#);
- [20] R. M. Jones , *Mechanics of Composite Materials* , 2nd edn. (Taylor and Francis , Philadelphia, PA , 1999) .
- [21] O. O. Ochoa and J. N. Reddy , *Finite Element Analysis of Composite Laminates, Solid Mechanics and its Applications* (Kluwer Academic Publishers , Dordrecht , 1992) . [genRefLink\(16, 'rf21', '10.1007%252F978-94-015-7995-7'\)](#);
- [22] D. R. Messier and P. J. Patel, *Journal of Non-Crystalline Solids* 182, 271 (1995), DOI: 10.1016/0022-3093(94)00520-6. [gen-RefLink\(16, 'rf22', '10.1016%252F0022-3093%252894%252900520-6'\)](#); [genRefLink\(128, 'rf22', 'A1995QK77800006'\)](#);

This reference list is based on information provided by the publisher or from digital mathematics libraries. Its items are heuristically matched to zbMATH identifiers and may contain data conversion errors. It attempts to reflect the references listed in the original paper as accurately as possible without claiming the completeness or perfect precision of the matching.