

TABLE OF CONTENTS

Volume 3 Number 1

February 2013

Free-Form Laminated Doubly-Curved Shells and Panels of Revolution Resting on Winkler-Pasternak Elastic Foundations: A 2-D GDQ Solution for Static and Free Vibration Analysis	
F. Tornabene, A. Ceruti.....	1
Modeling Fiber Composites during the Cure Process for Piezoelectric Actuation	
D. V. Murray, O. J. Myers.....	26
Stability Analysis of Damped Cubic-Quintic Duffing Oscillator	
M. O. Oyesanya, J. I. Nwamba.....	43
The Mathematical Simulation of Brush Drums in a Dual Saw Cylinder Chamber Gin for the Purpose of Increasing the Quantity of Captured Cotton Fiber from Saw	
A. S. Mamatovich, K. Abdusamat, P. Arras.....	58
Stability Analysis of a Single-Degree-of-Freedom Mechanical Model with Distinct Critical Points: I. Bifurcation Theory Approach	
D. S. Sophianopoulos.....	62
Comparative Study of the Effect of the Parameters of Sizing Data on Results by the Meshless Methods (MLPG)	
A. Moussaoui, T. Bouziane.....	82