

# Table of Contents

**Volume 10    Number 2**

**June 2020**

<b>Thermodynamic Consistency of Plate and Shell Mathematical Models in the Context of Classical and Non-Classical Continuum Mechanics and a Thermodynamically Consistent New Thermoelastic Formulation</b>	
K. S. Surana, S. S. C. Mathi.....	167
<b>About the Optimized Design of the Parking Space on the Campus of a College</b>	
X. Wang, Y. H. Wang, C. Hu.....	221
<b>Numerical Study on Single and Multi-Dimensional Boundary Value Problems by the Method of Weighted Residual</b>	
H. Farzana, M. A. Alim.....	230
<b>A Sufficient Convexity Condition for Parametric Bézier Surface over Rectangle</b>	
S. Hao, X. H. Dong.....	252
<b>Influence of Initial Value of Transient Time Step on Numerical Simulation of Blow Molding Balloon</b>	
J. Y. Bian, G. B. Jin, P. Qin, G. H. Dai.....	266
<b>The First-Order Comprehensive Sensitivity Analysis Methodology (1st-CASAM) for Scalar-Valued Responses: I. Theory</b>	
D. G. Cacuci.....	275
<b>The First-Order Comprehensive Sensitivity Analysis Methodology (1<sup>st</sup>-CASAM) for Scalar-Valued Responses: II. Illustrative Application to a Heat Transport Benchmark Model</b>	
D. G. Cacuci.....	290
<b>Chaos Induced by Snap-Back Repeller in a Two Species Competitive Model</b>	
T. Azizi, B. Alali.....	311