

92

International Journal of Advances in Engineering Sciences and Applied Mathematics



For Circulation in India only



22/5/24
SB

International Journal of Advances in Engineering Sciences and Applied Mathematics

Volume 16, Number 1, March 2024

CONTENTS

Arbitrarily-shaped layered polar orthotropic domains: elastostatics using analytical and coupled analytical-FE approaches <i>Y.S. Thube and T.P. Gotkhindi</i>	1
Dimensionality study of ground motion spectra through nonlinear principal component analysis <i>J. Basu, B. Podili and S.T.G. Raghukanth</i>	25
Alternate algorithm for characterization of strong velocity pulse in ground motions <i>F. Vats and D. Basu</i>	53
Surface rotations and translations of layered elastic half-space due to static shear dislocation point source <i>V.K. Singla and S.T.G. Raghukanth</i>	74
MHD natural convection around “plus” shape of circular barriers under local thermal non-equilibrium condition inside a wavy porous cavity saturated with Al_2O_3 -Cu/water <i>M.A. Mansour, S.E. Ahmed and M.A.Y. Bakier</i>	87