

Research Publications of Professor Amares Chattopadhyay

1. A.Chattopadhyay and A.K.Singh, "Propagation of Magnetoelastic Shear Waves in an Irregular Self-reinforced layer", accepted for publication in Journal of Engineering Mathematics, (Springer Verlag), 2011.
2. A.Chattopadhyay and S.A.Sahu, "Stresses produced in slightly compressible, finitely deformed elastic media due to a normal moving load" – accepted for publication in 'Archive of Applied Mechanics', (Springer Verlag), 2011
3. A.Chattopadhyay, V. K. Sharma, and P. Kumari, Reflection and refraction of three dimensional plane quasi-P waves at a corrugated surface between distinct triclinic elastic half spaces, accepted for publication in 'International Journal of Geomathematics' (Springer Verlag), 2011
4. A.Chattopadhyay, S.Gupta, S.A.Sahu, A.K.Singh; Dispersion of SH waves in an Irregular Non Homogeneous Self-reinforced Crustal Layer over a Semi-infinite Self-reinforced Medium; accepted for publication in 'Journal of Vibration and Control' [SAGE Publications Ltd], 2011
5. A.Chattopadhyay, S. Gupta, V. K. Sharma, and P. Kumari, Effect of point source and heterogeneity on the propagation of SH-waves in a viscoelastic layer over a viscoelastic half space, accepted for publication in 'Acta Geophysica' (Springer Verlag), DOI: 10.2478/s11600-011-0059-4, 60, 1, 2012, 119 - 139
6. A.Chattopadhyay, S.Gupta, V.K.Sharma & Pato Kumari, Stresses produced on a rough irregular half space by a moving load; accepted for publication in "Acta Mechanica" (Springer Verlag), DOI 10.1007/s00707-011-0507-x ,2011
7. A.Chattopadhyay, S.Gupta, S.A.Sahu, A.K.Singh; Dispersion equation of magnetoelastic shear waves in irregular monoclinic layer; *Appl. Math. Mech. (Springer)*, 32(5), 571–586 (2011)
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