

Selected Publications of Dr. Subhankar Roy

1. Torsion of nonhomogeneous elastic half-space with embedded penny shaped flaws, Indian J. pure appl. Math., 24 (12), 801-815, December 1993.
2. Penny-shaped crack in a nonhomogeneous solid under torsion, J. Indian Inst. Sci., Nov- Dec., 74, 727-739, 1994.
3. Sudden twisting of a penny-shaped crack in a nonhomogeneous elastic medium, Journal of Mathematical and Physical Sciences, Vol. 29, No. 5, 207- 221. October 1995.
4. Non-homogeneous transversely isotropic half-space under torsion and embedded penny shaped flaw, Indian Journal of Theoretical Physics, ISSN 0019-5693, Vol.-43, No. 3, , 229- 243, 1995.
5. A note on the crack problem for a nonhomogeneous plane, Engineering Transaction, 44, 3-4, 349-360, 1996.
6. Receding contact between an orthotropic layer and an orthotropic half-space, Arch. Mech., 50, 4, 743- 755, 1998.
7. Receding axisymmetric contact between a transversely isotropic layer and a transversely isotropic half-space, Bull. Cal. Math. Soc., 95, (2), 151 – 164, 2003.
8. Effects of an axisymmetric rigid punch on a nonhomogeneous transversely isotropic half-space, ANZIAM J. 44, 461- 474, 2003.
9. Thermal stress in a nonhomogeneous transversely isotropic medium containing a penny-shaped crack, Bull. Cal. Math. Soc., 98, (6), 547-570, 2006