

## **B. K. RAJHANS Research/Publication**

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### **List of Publications**

1. Scattering of Shear Waves by a rigid cylinder in an inhomogeneous medium. International Jour. Engg. Sci. 25, 7, 1987.
2. Diffraction of Compressional Waves by a fluid cylinder. Acta Geophysica Polonica, Vol. 35, No.4, 1987.
3. Diffraction of Elastic Spherical P Waves by a cylindrical cavity. Acta mechanica. 72, 309-325, 1988.
4. Diffraction of Compressional Waves in an inhomogeneous medium. Acta Geophysica Polonica, Vol.37, No.2, 1989.
5. Scattering of Compressional Waves in an inhomogeneous medium, Acta Geophysica Polonica, Vol. XL No.3-4, 1992.
6. Scattering of SH Waves by a spherical cavity. Acta Geophysica Polonica, Vol. XL, No.1, 1992.
7. Scattering of Compressional Waves by a cylindrical Bore containing a fluid. International Jour. Engg. Sci. 15.4.2001.
8. Three dimensional diffraction of compressional waves by a rigid cylinder in an inhomogeneous medium Proc. Indian Acad. Sci. (Math. Sci.) Vol.102, No.3, 1992.
9. Diffraction of compressional waves by a fluid cylinder in a homogeneous medium. Indian Jour. Pure Appl. Math. 23(8), 603-616, 1992.
10. Scattering of compressional waves by a circular cylinder. Indian Jour. Pure Appl. Math 19(2) 1988.
11. Scattering of compressional waves by a cylindrical cavity. Jour. Math Phys. Sci. Vol.20, No.5, 1986.
12. Diffraction of seismic waves in three dimensions by a cavity. Jour. Math. Phys. Sci. Vol.8, No.1 1985.
13. Scattering of Impulsive elastic waves by a fluid cylinder. Proc. Ind. Acad. Sci. (Math. Sci.) Vol.91, No.2, 1982.
14. Diffraction of impulsive Elastic waves by a fluid cylinder Proc. Ind. Acad. Sci. (Math. Scui.) Vol. 89, No.3, 1980.
15. Diffraction of Seismic waves by a cylindrical obstacle. Indian Jour. Pure Appl. Maths. 18(3), 1987.
16. Diffraction of shear waves in a homogeneous medium. Aryabhata Research Journal of physical Sciences Vol.3, No.102, 2000.
17. Scattering of shear waves by a cavity. Aryabhata Research Journal of Physical Sciences Vo.3, Nos.1-2, 2000.