

## **Nonstationary Waves Excited by the Rigid Cylinder in Elastic Medium**

**Authors :** Tukeaban Hasanova, Jamila Imamalieva

**Abstract :** By the operational method, the problem on two-dimensional wave propagation in elastic medium excited by the round cylinder is solved. An analytical solution responding to instantaneous application of speed to the inclusion at its subsequent change is constructed. The two-dimensional problem on wave propagation in an elastic medium is considered.

**Keywords :** cylinder, inclusion, wave, elastic medium, speed

**Conference Title :** ICSDEE 2019 : International Conference on Soil Dynamics and Earthquake Engineering

**Conference Location :** Dublin, Ireland

**Conference Dates :** June 27-28, 2019