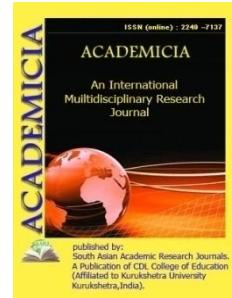


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**OWN TORSIONAL VIBRATIONS OF A CYLINDRICAL SHELL IN AN
ELASTIC MEDIUM**

Saliyeva Olima Kamalovna*; Sharipova Nazira Raxmatilloyevna**

*Associate Professor,
 Candidate of Technical Sciences,
 Bukhara engineering and technological Institute Bukhara city,
 UZBEKISTAN
 Email id: saliyevaok@mail.ru

**Assistant
 Bukhara engineering and technological Institute Bukhara city,
 UZBEKISTAN
 Email id: shnr_80@mail.ru

ABSTRACT

The article covers that we consider the own axisymmetric torsional vibrations of an infinitely long cylindrical shell in an elastic inertial medium. The dependences of the first shell oscillation frequency in an elastic medium on the dimensionless wavelength are obtained.

KEYWORDS: Natural Torsional Vibrations, Axisymmetric Vibrations, Cylindrical Shell, Vibration Frequency.

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