

The Online Scientific Journal

'Noise Theory and Practice'

has been published since 2015. The founder of the journal is Nikolay Igorevich Ivanov, Doctor of Engineering Sciences, Professor of the department of Ecology and Industrial Safety of the Baltic State Technical University 'VOENMEH' named after D. F. Ustinov, the founder of the transport acoustics in Russia.

'Noise Theory and Practice' is devoted to the fundamental problems in the field of vibroacoustics and accepts papers in the following areas:
- 29.00.00 Physics
- 29.37.00 Acoustics
- 43.00.00 General and complex issues of natural and exact sciences
- 87.00.00 Environmental protection. Human ecology.

All articles submitted to the editorial office are subject to mandatory review. The journal is an open network resource and published four times a year.

Location address of the Editorial office

Bldg. 7'A', 138 Obvodny Canal emb., office 11-N, room 2-2

+7 (812) 495-77-97

www.noisetp.com

e-mail: secretary@noisetp.com

Executive Secretary

Khrapko Natalya

Journal is registered in Federal service for supervision of communications, information technology, and mass media
The certificate of registration
ЭЛ № ФС 77-74057

Contents

Fedin K.V., Lukyanova A.L., Skorobogatko A.V.	RUS
Diagnostics of the technical condition of an industrial building in Belovo (Kemerovo region) by standing waves pp. 7-17	
Matasova O.Yu., Komkin A.I., Bykov A.I.	RUS
Features of calculation of reactive mufflers in the presence of a flow pp. 18-28	
Murzinov V.L., Murzinov P.V., Murzinov Yu.V., Kocherzhenko D.V.	RUS
Acoustic method of diagnosing mechanical systems pp. 29-37	
Kedrova E.I.	RUS
A model of vibroacoustic dynamics of roller conveying rollers of drive roller conveyors pp. 38-45	
Bogdanova A.M., Kurchenko P.S., Fiev K.P.	RUS
Experimental study of sound pressure levels emitted by wheels of a passenger car to determine wheels damage using acoustic signals pp. 46-58	
Akhatov A.R., Butorina M.V., Tyurina N.V.	RUS
Features of noise regulation and control in the Republic of Uzbekistan pp. 59-68	
Samofalova A.S., Asminin V.F., Sazonova S.A.	ENG
Damping of vibration-damping thin-walled steel structures with discrete rubber inserts pp. 69-81	
Asminin V.F., Druzhinina E.V., Sazonova S.A.	ENG
Evaluation of the sound insulation properties of a lightweight panel with an internal diamond-shaped structure based on computer modeling of the process of passage and absorption of sound energy in it pp. 82-96	