CON	TENT	/ OBS	AH
		,	

HIGH-INTENSITY LOW-FREQUENCY ACOUSTIC VIBRATIONS HAVE THE CRITICAL EFFECT ON THE LUNGS

Valery Zinkin, Irina Vasilyeva, Vladimir Bespalov, Aleksandr Osetrov 5

Paper No. 242/2019

ON THE POROUS SOUND-ABSORBING PANELS WITH THE END LOW-FREQUENCY RESONANT CAVITIES

Mikhail Fesina, Igor Deryabin, Gorina Larisa 10 Paper No. 243/2019

ON THE RESULTS OF EXPERIMENTAL STUDIES OF THE PHYSICAL PROCESS OF GENERATING SOUND VIBRATIONS BEATS IN CLOSED AIR CAVITIES OF TECHNICAL ROOMS

Mikhail Fesina, Igor Deryabin, Gorina Larisa 17 Paper No. 244/2019

ON THE TECHNIQUE OF MISMATCHING THE RESONANT INTERACTIONS OF THE SOUND FIELDS CAUSED BY TECHNICAL OBJECTS WITH THEIR OWN ACOUSTIC MODES IN THE AIR VOLUME OF ROOMS

Mikhail Fesina, Igor Deryabin, Gorina Larisa 24 Paper No. 245/2019

COMPARATIVE ANALYSIS OF SOUND SUPPRESSING LIGHTWEIGHT STRUCTURED PANELS AND MODERN NOISE PROTECTION MEANS

Valery L. Murzinov, Pavel V. Murzinov, Irina A. Ivanovna Paper No. 246/2019

EFFECTIVENESS RESEARCH OF POLYMER FILM-BASED VIBRATION ABSORBERS

Valery Kirpichnikov, Alexander Syatkovskiy 36 Paper No. 247/2019

MEDICAL AND BIOLOGICAL ASPECTS OF ACOUSTIC POLLUTION OF URBANIZED AREAS

Igor Lykov, Nadezhda Loboda, Alexey Streltsov 39 Paper No. 248/2019

SOCIAL SURVEY ON COMMUNITY RESPONSE TO ROAD TRAFFIC NOISE IN KINSHASA, DEMOCRATIC REPUBLIC OF THE CONGO

Junior Nzelengenge Tambiki 45 Paper No. 249/2019

DETERMINATION OF THE MAIN SOURCE OF EXTERNAL NOISE CAUSED BY THE ENTERPRISE ENGINEERING AND TECHNOLOGICAL EQUIPMENT IN THE RESIDENTIAL DEVELOPMENT AREA

V.V. Svetlov, V.A. Sannikov 50 Paper No. 250/2019

ANALYSIS OF THE VIBRATION SPECTRUM OF THE RAILWAY BED FOR ENERGY HARVESTING

Valery Tsaplev, Sergey Konovalov, Roman Konovalov, Ivan Pavlov 54

Paper No. 251/2019

NOISE PROTECTION DEVICE DEVELOPMENT FOR LOCAL NOISE CANCELLATION

Alexander Tyurin, Zavialov Pyotr, Alexander Zikov 59 Paper No. 252/2019

CALCULATION OF THE NOISE LEVEL FROM A LINEAR SOURCE WITH VARIABLE NOISE CHARACTERISTICS ALONG THE LENGTH

Viadimir Tupov 64 Paper No. 253/2019

DISSIPATION OF THE ACOUSTIC OSCILLATIONS IN TWO-PHASE MEDIUM OF GAS-SOLID PARTICLES TYPE

Kochergin Anatoly, Pavlov Grigory, Valeeva Kseniya 67 Paper No. 254/2019

REDUCING THE NOISE INTENSITY OF SUBSONIC TURBU-LENT JETS USING NOISE-ATTENUATING DEVICES

Oleg Sitnikov, Pavel Nakoryakov, Margarita Mironova, Kseniya Valeeva 73

Paper No. 255/2019

THE STUDY OF ACOUSTIC CHARACTERISTICS OF THE PERFORATED AND HOMOGENEOUS PLATES WITH SIMILAR GEOMETRICAL DIMENSIONS

V.Y.Kirpichnikov, L.F.Drozdova, A.P.Koscheev, E.L.Myshinsky 79 Paper No. 256/2019

THERMAL MODEL FOR SAW CALCULATIONS IN THE LAY-ERED SYSTEMS

A.V.Osetrov, L.F.Drozdova, E.L.Mzshinsky
Paper No. 257/2019
83

ACOUSTICS OF PROCESS AS A FACTOR OF FORMING IN THE COMBUSTION ZONE OF FORMATIONS WITH EXCESS CHARGE

Pinchuk V.A., Pinchuk A.V. 88 Paper No. 258/2019

THE EFFICIENCY OF THE NOISE REDUCTION LEVELS OF THE LOCOMOTIVES AND DIESEL LOCOMOTIVES

I. A. Yaitskov, A.N. Chukarin 92 Paper No. 259/2019

ABOUT THE APPROACHES TO MATHEMATICAL DESCRIPTION AND CALCULATION OF TIRE ROAD NOISE RADIATION

Andrey V. Vasilyev 97 Paper No. 260/2019

THE IMPACT OF NOISE POLLUTION ON THE ECOLOGICAL STATE OF THE TERRITORIES OF PRESCHOOL INSTITUTIONS OF THE RESORT CITY OF PYATIGORSK

Pavel Sidyakin, Catherine Belaya, Dmitry Shchitov 100 Paper No. 261/2019

RUSSIAN EXPERIENCE OF TRANSPORT NOISE ESTIMATI-ON AND MAPPING

Andrey V. Vasilyev 105
Paper No. 262/2019

www.akustikad.com	
STUDY OF THE EFFECTIVENESS OF VIBRATION ISOLATION OF UNCONVENTIONAL TOROIDAL ROPE VIBRATION ISOLATION SYSTEM	ENERGY-EFFICIENT SILENCERS OF GAS-AIR PATH Andrey Taratorin, Vladimir Tupov 163 Paper No. 274/2019
Minas A. Minasyan, Armen M. Minasyan, Aung Myo Thant 110 Paper No. 263/2019	ANALYTICAL MODEL OF ENGINE FAN NOISE Valery Samokhin, Petr Moshkov, Alexey Yakovlev Paper No. 275/2019 168
MODELING OF DISTRIBUTION OF SOUND WAVES IN THE CLOSED AREA BY FINITE DIFFERENCE METHOD	ANALYSIS OF THE EXISTING WORKPLACE NOISE LEVELS
Vladimir Mondrus, Dmitrii Sizov 115 Paper No. 264/2019	IN THE INDUSTRIAL PREMISES AND OVERVIEW OF THE OPTIONS FOR REDUCING THEM Alisa Andryushchenko, Vadim Vasilyev, Sofia Grishina.
GENERATION REGULARITIES OF VIBRATION AND NOISE SPECTRA OF THE GEARBOXES OF OVERHEAD TRAVELING CRANES	Alisa Andryushchenko, Vadim Vasilyev, Sofia Grishina, Oleg Rusak 174 Paper No. 276/2019
V.A. Bondarenko, A.N. Choukarin 120 Paper No. 265/2019	DETERMINATION OF ACOUSTIC CHARACTERISTICS OF FULL-SCALE SAMPLE OF SINGLE-LAYERED HONEYCOMB LINER BASED ON NUMERICAL SIMULATION
DESIGNING PLANAR MICROPHONE ARRAY FOR SOUND SOURCE LOCALIZATION	Khramtsov I.V., Kustov O.Yu., Palchikovskiy V.V. 182 Paper No. 277/2019
V.V. Ershov, V.V. Palchikovskiy 123 Paper No. 266/2019	EXPERIMENTAL STUDY OF INFLUENCE OF THE CHEVRONS ON JET-FLAP INTERACTION NOISE
ON EFFICIENCY OF SOME METHODS FOR DETERMINING THE AZIMUTHAL STRUCTURE OF NOISE IN CYLINDRICAL DUCT	Sorokin E.V., Khramtsov I.V., Cherenkova E.S. 189 Paper No. 278/2019
Palchikovskiy V.V., Bersenev Yu.V., Korin I.A. 130 Paper No. 267/2019	RESULTS OF A SERIES OF ACOUSTIC MEASUREMENTS OF NOISE PENETRATING THROUGH THE PARTITION BETWEEN TWO CINEMAS
RESEARCH OF THE PROCESS OF FORMATION OF NOISE IN HOUSEHOLD REFRIGERATORS	Ilya Tsukernikov, Alexandr Fadeev 195 Paper No. 279/2019
Alexey Demenev, Anatoly Naberezhnykh 135 Paper No. 268/2019	SSESSMENT OF THE ACOUSTIC SCREEN ABSORBING PROPERTIES BASED ON THE HELMHOLTZ RESONATOR
REDUCING NOISE FROM ROUND WOODWORKING MA- CHINES BY APPLYING VIBRATION DAMPING FRICTION PADS BETWEEN THE SAW BLADE AND THE CLAPMPING	Bulkin V.V., Sereda S.N., Kalinichenko M.V. 201 Paper No. 280/2019
FLANGE Denis Osmolovsky, Victor Asminin, Elena Druzhinina 138 Paper No. 269/2019	IMPACT OF NOISE, GAMMA RADIATION AND OTHER GEOPHYSICAL FACTORS ON POPULATION HEALTH Tamaz Zaks, Olga Burdzieva, Vladislav Zaalishvili 206
STUDY ON SILENCER ACOUSTIC EFFICIENCY IN GAS-AIR FLOW DUCT BENDS	Paper No. 281/2019
Dmitry Chugunkov, Galina Seyfelmlyukova, Evgeniy Zhuravlev 141 Paper No. 270/2019	TECHNOLOGY FOR THE MAINTENANCE OF ACOUSTIC COMFORT ON THE TRANSCAUCASIAN HIGHWAY IN THE ZONE OF THE RESIDENTIAL AREAS ADJUSTING THE MOTOR ROAD
MECHANISMS OF GENERATION AND SOURCES OF NOISE IN SUPERSONIC JETS	Ivan Alborov, Olga Burdzieva, Vladislav Zaalishvili 211 Paper No. 282/2019
Vladislav Emelyanov, Aleksey Tsvetkov, Konstantin Volkov 144 Paper No. 271/2019	EVALUATION OF NOISE OF THE MOSCOW METRO <i>Lagutina N. V., Novikov A. V., Sumarukova O. V.</i> Paper No. 283/2019
VIBRATION MODULATION CAUSES AT ROTATION FRE-	
QUENCY IN ROTARY MACHINES Rykov S.A., Kudryavtseva I.V., Rykov S.V. Paper No. 272/2019 151	PRINCIPLES OF ENSURING ENVIRONMENTAL WELFA- RE OF THE POPULATION UNDER THE EXPOSURE OF THE NOISE OF MOVING MOTOR TRANSPORT
NOISE REDUCTION OF ROOF FANS ON THE CENTRAL HEATING STATION	Ivan Alborov, Olga Burdzieva, Fatima Tedeeva 222 Paper No. 284/2019
Dmitry Chugunkov, Galina Seyfelmlyukova 158 Paper No. 273/2019	ESTIMATING SOUND ABSORPTION COEFFICIENT OF PRAYERS IN MOSQUES

Vasily Aleshkin, Christofor Schirjetsky, Anton Subbotkin

Paper No. 285/2019

227

CLASSIFICATION OF RAILWAY LINES BY NOISE EMISSION	FEATURES OF NORMALIZATION AND EVALUATION OF VI-
FOR NOISE PROTECTION DESIGN	BRATION FROM RAIL TRANSPORT IN PREMISES OF RESI
Marina Butorina, Alexey Oleinikov, Denis Kuklin 231	DENTIAL AND PUBLIC BUILDINGS
Paper No. 286/2019	Ilya Tsukernikov, Igor Shubin, Tatiana Nevenchannaya 288 Paper No. 297/2019
METHODOLOGICAL APPROACHES TO ASSESS NOISE	
DOSE FOR THE TASKS OF ESTIMATING THE POPULATION	SOUND-REFLECTING PROPERTIES OF SOLID LAYERS
HEALTH RISKS	SYSTEM WITH NONHOMOGENEOUS BOUNDARY CONDI-
Dmitriy Koshurnikov 238	TIONS
Paper No. 287/2019	Konstantin Abbakumov, Anton Vagin, Alena Vjuginova, Olea Rusak 293
EXPERIENCE OF ESTIMATION AND REDUCTION OF NOISE AND VIBRATION OF INDUSTRIAL ENTERPRISES OF RU-	Paper No. 298/2019
SSIA	THE COMPARATIVE ANALYSIS OF THE NOISE CHARACTE-
Andrey V. Vasilyev, V.A. Sannikov, N.V. Tyurina 247	RISTICS OF LAND RAIL TRANSPORT AND THE EFFICIENCY
Paper No. 288/2019	OF NOISE PROTECTION MEASURES
Paper No. 200/2019	Yuri Kholopov, Bela Musatkina, Inna Denisova 299
ACOUSTIC RELIABILITY OF THE NOISE BARRIERS	Paper No. 299/2019
Aleksandr Shashurin, Nickolay Ivanov, Iuliia Rassoshenko, Marat	1 aper No. 293/2019
Goguadze 251	HABITAT AND ACOUSTIC COMFORT IN THE NEW ENVI-
Paper No. 289/2019	RONMENTAL NOISE GUIDELINES OF WHO
rapel No. 209/2019	Sergio Luzzi, Chiara Bartalucci 305
ANALYSIS OF THE RESULTS OF OPERATIONAL TESTS OF LOCOMOTIVE TRACTION PASSENGER CARS IN TERMS OF	Paper No. 300/2019
INFRASOUND AND INTERNAL NOISE	TO A QUESTION OF ECOLOGICAL ASSESSMENT OF A
Zhanna Ovechkina, Oksana Sachkova, Anatoly Sharaban 256	CONDITION OF INHABITED TERRITORIES NEAR TRAFFIC
Paper No. 290/2019	FLOWS
1 aper 110. 250/2015	Tatiana Germanova, Anna Kernozhitskaya 312
ASPECTS OF FORECASTING OF VIBROACOUSTIC CHA-	Paper No. 301/2019
RACTERISTICS OF CARS OF LOCOMOTIVE DRAFT	, uper 1101 50 1, 20 15
Zhanna Ovechkina, Oksana Sachkova, Anatoly Sharaban 259	ACOUSTIC PLANNING OF URBAN SPACE
Paper No. 291/2019	Mario Huaquín 316
1 apel 110. 25 1, 20 15	Paper No. 302/2019
INVESTIGATION OF VIBRO-OSCILLATORY PROCESSES OF	
THE SUPPORTS OF OFFSHORE STATIONARY PLATFORMS	DESIGN OF SOUND INSULATION OF FULL GLAZED
UNDER CONDITIONS OF ALTERNATING VORTEX FORMA-	FAÇADE
TION CAUSED BY THE INFLUENCE OF SEA CURRENTS	Jan Králíček, Miroslav Kučera, Jiří Králíček 325
Starokon I.V., Ovsannikov Y.M., Golovachev A.O. 262	Paper No. 303/2019
Paper No. 292/2019	
	ANALYSIS OF THE VIBRATION IMPACT ON THE SOILS
METHOD OF CALCULATING THE PARAMETERS OF VIBRA-	OF VASILYEVSKY ISLAND OF ST. PETERSBURG
TIONAL OSCILLATIONS OF THE SUPPORTS OF OFFSHORE	Izotova Violetta, Pankratova Ksenia, Pospehov Georgy 332
STATIONARY PLATFORMS IN THE PRESENCE OF VARIA-	Paper No. 304/2019
BLE EDDY FORMATION	
Starokon I.V., Ovsannikov Y.M., Golovachev A.O.,	INFRASOUND AND LOW FREQUENCY NOISE IMMISSI-
Glebova E.V. 267	ON FROM PIPELINES. IMPROVING THE ISO 1996-2:2017
Paper No. 293/2019	PROPOSED METHODS. CASES STUDIES CONDUCTED AT
	LOS ANDES AND PERUVIAN RAINFOREST
NUMERIC ANALYSIS OF VERTICAL PIPELINE ELEMENT	Walter Montano 335
NATURAL FREQUENCIES	Paper No. 305/2019
Antonina Sekacheva, Lilia Pastukhova, Alexander Noskov 272	
Paper No. 294/2019	REGRESSION ANALYSIS OF NOISE POLLUTION USING
	SPATIAL INFORMATION SYSTEM
SPECTRAL FEATURES OF THE MICROSEMIC FIELD OF THE	(CASE STUDY: TEHRAN CITY)
URBANIZED TERRITORY	Mohsen Rostami, Amir Esmael Forouhid 346
Vladiskav Zaalishvili, Dmitry Melkov, Aleksandr Kanukov 279	Paper No. 306/2019
Paper No. 295/2019	
	MODERN VEHICLE EXHAUST SYSTEM DESIGN DYNAMIC
FINITE ELEMENT ANALYSIS OF OPEN TRENCH SEISMIC VI-	ANALYSIS
RRATIONS RARRIERS	Rakhmatov R.L. Nadarejshvili G.G., Yudin S.I. 351

Vladislav Zaalishvili, Dmitry Melkov, Akhsarbek Gabaraev 284 Paper No. 307/2019

Paper No. 296/2019