

Acoustic analysis of compact silencer solution based on microperforated panel

Villau, Margus; Rämmal, Hans; Lavrentjev, Jüri Modern Materials and Manufacturing 2023 : Tallinn, Estonia, 2–4 May 2023 2024 / art. 030014 <https://doi.org/10.1063/5.0189854> [Article at Scopus](#) [Conference Proceedings at Scopus](#)

Acoustic analysis of small engine catalytic converters : SAE 2010-32-0022

Lavrentjev, Jüri; Rämmal, Hans SAE technical papers 2010 / [12] p

Acoustic and thermoacoustic properties of an additive manufactured lattice structure

Di Giulio, Elio; Auriemma, Fabio; Napolitano, Marialuisa; Dragonetti, Raffaele The Journal of the Acoustical Society of America 2021 / art. 3878 <https://doi.org/10.1121/10.0005085> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Acoustic forward model for guided wave propagation and scattering in a pipe bend

Rasgado Moreno, Carlos Omar; Rist, Marek; Land, Raul; Ratassepp, Madis Sensors 2022 / art. 486 <https://doi.org/10.3390/s22020486> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Acoustic lumped element techniques to measure the low frequency response of porous materials

Di Giulio, Elio; Napolitano, Marialuisa; Romano, Rosario Aniello; **Auriemma, Fabio;** Dragonetti, Raffaele Proceedings of the 10th Convention of the European Acoustics Association 2023 : Forum Acusticum, September 11-15, 2023 2024 / p. 3497-3502 <https://doi.org/10.61782/fa.2023.1056>

Acoustic noise computation of electrical motors using the boundary element method

Sathyan, Sabin; Aydin, Ugur; Belahcen, Anouar Energies 2020 / art. 0245 <https://doi.org/10.3390/en13010245> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Acoustic performance of micro-grooved elements

Auriemma, Fabio Applied acoustics 2017 / p. 128-137 : ill <https://doi.org/10.1016/j.apacoust.2017.02.019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Acoustic scattering by a layered cylinder

Chati, F.; Leon, Fernand; Maze, Gerard Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 273-276: ill

Acoustic scattering from fluid-loaded stiffened cylindrical shell : analysis using elasticity theory

Baillard, Andre; Conoir, Jean-Marc; Decultot, Dominique; Maze, Gerard; Klauson, Aleksander; Metsaveer, Jaan The Journal of the Acoustical Society of America 2000 / 6, p. 3208-3216 : ill

Acoustic studies of micro-perforates for small engine silencers

Kabral, Raimo; Rämmal, Hans; Lavrentjev, Jüri SAE technical papers 2012 <https://www.sae.org/publications/technical-papers/content/2012-32-0107/>

Acoustic studies on small engine silencer elements

Kabral, Raimo; Rämmal, Hans; Lavrentjev, Jüri; Auriemma, Fabio SAE technical papers 2011 / [8] p. : ill

Acoustic study of novel eco-friendly material for vehicle NVH applications

Rämmal, Hans; Lavrentjev, Jüri Materials today: proceedings 2020 / p. 2331-2337 <https://doi.org/10.1016/j.matpr.2020.04.632> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Acoustical barriers for a high speed line "Moscow-St.Petersburg"

Ivanov, N.I.; Samoylov, M.M.; Zyuzlikova, N.V. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 25-28

Acoustics of turbochargers

Rämmal, Hans; Abom, Mats SAE Technical Paper Series : SAE 2007 Noise and Vibration Conference and Exhibition : St.Charles, IL (USA), May 15-17 2007 2007 / paper nr. 2007-01-2205

Akustika

Oruvee, Helmut Masinaehitaja käsiraamat. 1. kd 1968 / lk. 229-237 https://www.ester.ee/record=b1298495*est

Akustika ja helitehnika

Eiskop, Ilmar; Sillart, Aleksander 1988 https://www.ester.ee/record=b1206848*est

Allveeakustika [Võrguteavik] : terminoloogia = Underwater acoustics : terminology (ISO 18405:2017, identical)

2020 https://www.ester.ee/record=b5352839*est

An experimental investigation of the mechanical and acoustical transmission paths on a car

Rebillard, Eric Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998
1998 / p. 197-200: ill

Analysis of acoustic scattering at variable incidences from an extra thin cylindrical shells bounded by hemispherical endcaps

Touraine, Nicolas; Haumesser, Lionel; Decultot, Dominique; Maze, Gerard; **Klauson, Aleksander; Metsaveer, Jaan** The Journal of the Acoustical Society of America 2000 / 5, p. 2187-2196

Analysis of acoustic scattering of an obliquely incident wave by extra thin finite cylindrical shells

Touraine, Nicolas; Haumesser, Lionel; Decultot, Dominique; Maze, Gerard; **Klauson, Aleksander; Metsaveer, Jaan** 7th International Congress on Sound and Vibration : 4-7 July 2000, Garmisch-Partenkirchen, Germany 2000 / p. 1449-1456 : ill

Application of novel micro-grooved elements to small engine silencer

Auriemma, Fabio; **Rämmal, Hans; Lavrentjev, Jüri** SAE Technical Papers 2013 / [10] p.: ill <https://www.sae.org/publications/technical-papers/content/2013-32-9001/> <https://doi.org/10.4271/2013-32-9001> [Journal metrics at Scopus](#) [Article at Scopus](#)

Application of vector-phase methods for an estimation of acoustic properties of premises on transport

Korobnichenko, Yuliana; Mit'ko, Valery; Petrov, Andrey Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 53-57

A cad tool for acoustic analysis of intake and exhaust systems

Abom, Mats; Glav, R. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 181-184: ill

Characterization of air terminal device noise using acoustic 1-port source models

Rämmal, Hans; Abom, Mats Journal of sound and vibration 2007 / 3/5, p. 727-743 : ill
<https://www.sciencedirect.com/science/article/pii/S0022460X06006857>

Characterization of circumferential modes of a lucite cylinder immersed in water

Chati, F.; Leon, Fernand; Maze, Gerard Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 277-280: ill

Combining hybrid and end-to-end approaches for the OpenASR20 challenge

Alumäe, Tanel; Kong, Jiaming Interspeech 2021 : Brno, Czechia, 30 August - 3 September 2021 : Proceedings of the 22nd Annual Conference of the International Speech Communication Association, Brno 30 August 2021 through 3 September 2021 2021 / p. 1585-1589 <https://doi.org/10.21437/Interspeech.2021-1086>

A comparison between the acoustic impact of old and new trains on local railways lines

Pronello, C. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 95-98: ill

A complete acoustic analysis on the passive effect of small engine silencer elements

Kabral, Raimo; Rämmal, Hans; Lavrentjev, Jüri; Auriemma, Fabio Proceedings of International Congress on Sound and Vibration (ICSV18) : Rio de Janeiro, Brazil, 10 to 14 July 2011 2011

Coping with reverberant acoustics in singing by extending the plosive closures in vowel-plosive-vowel sequences

Vurma, Allan; **Meister, Einar; Meister, Lya;** Ross, Jaan; Raju, Marju; Kala, Veeda; Dede, Tuuri 5th International Symposium on Applied Phonetics (ISAPh 2024), 30 September - 2 October 2024, Tartu, Estonia 2024 / p. 115-120 : ill
<https://doi.org/10.21437/ISAPh.2024-22>

Damping of acoustic waves in straight ducts and turbulent flow conditions

Tiikoja, Heiki; Auriemma, Fabio; Lavrentjev, Jüri SAE Technical Paper Series : 9th International Styrian Noise, Vibration & Harshness Congress : The European Automotive Noise Conference 2016 / Paper 2016-01-1816, p. 1-9 : ill
<https://doi.org/10.4271/2016-01-1816> [Conference Proceedings at Scopus](#) [Article at scopus](#)

Dedicated testrig for acoustic characterization of automotive silencers

Lavrentjev, Jüri; Rämmal, Hans Proceedings of the ICSV 16 : The 16th International Congress on Sound and Vibration : Krakow, Poland, 5-9 July, 2009 2009 / [6] p
https://www.researchgate.net/publication/287088587_Dedicated_testrig_for_acoustic_characterization_of_automotive_silencers

Demonstration of acoustic beats in the study of physics

Gavrilov, Aleksei Journal of multidisciplinary engineering science and technology (JMEST) 2017 / p. 7545-7546 : ill
<http://www.jmest.org/wp-content/uploads/JMESTN42352273.pdf>

Designing of the airports according with factor of an aircraft noise

Kartyshev, Oleg; Zaporozhets, Oleksander Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 367-370

Determination of acoustic properties for open duct termination in hot jet conditions using FEM simulation

Rämmal, Hans; Lavrentjev, Jüri Proceedings of the 14th International Congress on Sound and Vibration (ICSV 14) : Cairns

(Australia), 9-12 July, 2007 2007 / ? p

https://www.researchgate.net/publication/315747798_DETERMINATION_OF_ACOUSTIC_PROPERTIES_FOR_OPEN_DUCT_TERMINATION_IN_HOT_JET_CONDITIONS_USING_FEM_SIMULATION

Determination of the acoustic pressure on the floor of a moving vehicle, with an analytical method

Duvelie, Nathalie; Gatignol, Philippe Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration,

Tallinn, 8.06 - 10.06. 1998 1998 / p. 171-174: ill

Determination of the acoustic transmission properties of IC-engine air inlet system components

Boden, Hans; Beraud, G.; Glav, R. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn,

8.06 - 10.06. 1998 1998 / p. 323-326: ill

Direct scattering by a sound hard small body

Challa, Durga Prasad Imaging, Multi-Scale and High Contrast Partial Differential Equations : Seoul ICM 2014 Satellite Conference

Imaging, Multi-scale and High Contrast PDEs, August 7-9, 2014, Daejeon, Korea 2016 / p. 131-138 <http://dx.doi.org/10.1090/conm/660>

Echo impulse method used to measure the adsorption on the ultrasounds in solids

Todoran, Radu; Blandu, Larisa; Todoran, Daniela Proceedings of the International EAA/EEAA Symposium : Transport Noise and

Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 255-259: ill

Edge resonance in semi-infinite thick pipe : theoretical predictions and measurements

Ratassepp, Madis; Klauson, Aleksander; Chati, F.; Leon, Fernand; Maze, Gerard Journal of Acoustical Society of America 2008 /

2, p. 875-885 <https://pubmed.ncbi.nlm.nih.gov/18681580/>

Ehitussündmus BuildIT 2021 keskendub tänavu mürale [Võrguväljaanne]

ehitusuudised.ee 2021 ["Ehitussündmus BuildIT 2021 keskendub tänavu mürale"](https://ehitusuudised.ee/2021/ehitussundmus-buildit-2021-keskendub-tanavu-murale/)

Estimation of acoustic loading on the fuselage created by a ducted propfan at rear mounting

Kopiev, V.F.; Maslov, A.A.; Chernyshev, S.A. Proceedings of the International EAA/EEAA Symposium : Transport Noise and

Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 349-352: ill

Experimental acoustic characterization of IC-engine simulated hot exhaust system

Rämmal, Hans; Lavrentjev, Jüri Proceedings of INTER-NOISE 2004 / ? p

Experimental acoustic scattering

Maze, Gerard Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998

1998 / p. 235-242: ill

Experimental determination of sound transmission in turbo-compressors : SAE Tech. paper no.2009-01-2045

Rämmal, Hans; Abom, Mats SAE Technical Papers 2009 / [7] p [https://www.diva-portal.org/smash/record.jsf?](https://www.diva-portal.org/smash/record.jsf?pid=diva2%3A750030&dswid=9882)

[pid=diva2%3A750030&dswid=9882](https://www.diva-portal.org/smash/record.jsf?pid=diva2%3A750030&dswid=9882)

Experimental facility for the complete determination of sound transmission in turbochargers : SAE 2010-01-1424

Rämmal, Hans; Abom, Mats; Tiikoja, Heiki; Boden, Hans SAE technical papers 2010 / [9] p

<https://saemobilus.sae.org/papers/experimental-facility-complete-determination-sound-transmission-turbochargers-2010-01-1424>

Exploiting time and frequency masking in consistent sinusoidal analysis-synthesis

Vafin, Renat; Vang Andersen, Soren; Kleijn, W. Bastiaan 2000 IEEE International Conference on Acoustics, Speech, and Signal

Processing : proceedings : 5-9 June, 2000, Hilton Hotel and Convention Center, Istanbul, Turkey. Vol. 2 2000 / p. 901-904 : ill

Flexural wave propagation phenomena in a submerged cylindrical shell

Metsaveer, Jaan; Klauson, Aleksander Proceedings of the 15th International Congress on Acoustics, Trondheim, Norway, 26-30

June 1995 : ICA 95. Vol. 1 1995 / p. 137-140: ill

Frequency-dependent attenuation and phase velocity dispersion of an acoustic wave propagating in the media with damages

Stulov, Anatoli; Erofeev, Vladimir Generalized continua as models for classical and advanced materials 2016 / p. 413-423

https://doi.org/10.1007/978-3-319-31721-2_19 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Frequency-dependent dissipation in dispersive wool felt [Online resource]

Kartofelev, Dmitri; Tamm, Kert; Peets, Tanel 22nd International Congress on Acoustics ICA 2016 : proceedings 2016 / p. 53

http://ica2016.org.ar/website/wp-content/uploads/ICA2016_Proceedings.pdf

Frequency-dependent dissipation in dispersive wool felt [Online resource]

Kartofelev, Dmitri; Tamm, Kert; Peets, Tanel 22nd International Congress on Acoustics ICA 2016 : [complete proceedings] 2016 / p. 1-10 : ill <http://ica2016.org.ar/website/proceedings/>

Fully synchronized acoustomechanical testing of skin : biomechanical measurements of nonclassical nonlinear parameters

Lints, Martin; Dos Santos, Serge; Kozena, Colette; Kus, Vaclav; Salupere, Andrus 24th International Congress on Sound and Vibration 2017 (ICSV 24) : London, United Kingdom, 23-27 July 2017. Vol. 3 2017 / p. 1970-1977 : ill https://www.iiav.org/archives_icsv_last/2017_icsv24/content/papers/papers/full_paper_867_20170403135841549.pdf

Genetic algorithm vs finite differences in an optimization procedure including FEM with fixed mesh

Auriemma, Fabio International Conference on Numerical Analysis and Applied Mathematics (ICNAAM 2018) : Rhodes, Greece, 13-18 September 2018 2019 / art. 2116, 330006, 4 p <https://doi.org/10.1063/1.5114344> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Hanging roofs as acoustic screens for song festival tribunes in Estonia

Kulbach, Valdek Tallinna Tehnikaülikooli Toimetised 1990 / lk. 12-20: ill

Helitehnika

Eiskop, Ilmar; Sillart, Aleksander 1973 https://www.ester.ee/record=b1197827*est

Holistic approach to design healthy and resilient apartments

Sepulveda Luque, Abel; Smirnov, Roman; Donaire Galiano, María Dolores REHVA European HVAC Journal 2022 / p. 63-69 <https://www.rehva.eu/rehva-journal/chapter/holistic-approach-to-design-healthy-and-resilient-apartments>

Implementation of RF X-parameters principle to non-linear vibro-acoustics membrane as a two-port measurement

Moezzi, Reza IEEE Estonia Section Summer Seminar 2018, 19. and 20. august = IEEE sügisseminar 2018, 19. ja 20. augustil, Jämeda Möis 2018 / 21 p. : ill <https://iscx.dcc.ttu.ee/ISC/ws/RezaPresentation.pdf> <https://iscx.dcc.ttu.ee/ISC/ws/ws.asp?IEEEYear=2018>

Implementation of X-Parameters principle for non-linear vibroacoustic membrane using Two-Port measurement

Moezzi, Reza; Hlava, Jaroslav; Vu, Trieu Minh Traitement du signal 2019 / p. 297-301 <https://doi.org/10.18280/ts.360401> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Innovative fibreless HVAC duct silencer based on microperforated elements

Villau, Margus; Rämmal, Hans; Lavrentjev, Jüri Materials today: proceedings 2021 / 7 p. : ill <https://doi.org/10.1016/j.matpr.2021.06.201> [Journal metrics at Scopus](#) [Article at Scopus](#)

Insights into the string-barrier interaction dynamics based on high-speed camera measurements

Kartofelev, Dmitri; Arro, Joann Gustav; Välimäki, Vesa SMC 2020 : Proceedings of the 17th Sound and Music Computing Conference, Torino, Italy, June 24th - 26th 2020 2020 / p. 169-176 <https://smc2020torino.it/adminupload/file/SMC2020Proceedings.pdf>

The intensities of vowels and plosive bursts and their impact on text intelligibility in singinga)

Vurma, Allan; Meister, Einar; Meister, Lya; Ross, Jaan; Raju, Marju; Kala, Veeda; Dede, Tuuri Journal of the Acoustical Society of America 2023 / p. 2653 - 2664 <https://doi.org/10.1121/10.0021968> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of acoustic characteristics of jets issuing from corrugated nozzles

Makashov, S.Yu. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 345-348: ill

Investigation of an acoustic efficiency of vibro-damping structures with viscous-elastic absorbers under different intensity load acting

Buvailo, L.; Konstantinova, O. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 39-42: ill

Investigation of nonlinear targeted energy transfer (TET) phenomena in the presence of elastic membrane in duct acoustics with different BCs

Moezzi, Reza International journal of scientific & engineering research 2018 / p. 476-483 : ill <https://www.ijser.org/onlineResearchPaperViewer.aspx?Investigation-of-Nonlinear-Targeted-Energy-Transfer-TET-phenomena-in-the-Presence-of-Elastic-Membrane-in-Duct-Acoustics-with-Different-BCs.pdf>

Investigations of automotive turbocharger acoustics

Tiikoja, Heiki; Rämmal, Hans; Abom, Mats; Boden, Hans SAE international journal of engines 2011 / p. 2531-2542

Kinematics of ideal string vibration against a rigid obstacle

Kartofelev, Dmitri Proceedings of the 20th International Conference on Digital Audio Effects : 5-9 September 2017, Edinburgh UK

A linearity test for acoustic one-port sources

Lavrentjev, Jüri; Boden, Hans; Abom, Mats Journal of sound and vibration 1992 / 3, p. 534-539

Low frequency acoustic method to measure the complex bulk modulus of porous materials

Napolitano, Marialuisa; Di Giulio, Elio; **Auriemma, Fabio** The Journal of the Acoustical Society of America 2022 / art. 1545
<https://doi.org/10.1121/10.0009767> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Miks kostab vee ääres räägitud jutt kaugele?

Kalda, Jaan postimees.ee 2024 [Miks kostab vee ääres räägitud jutt kaugele?](#)

Modelling and analysis of the acoustic-structural system of the heavy vehicle gearbox

Misun, Vojtech Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998
1998 / p. 167-170: ill

Modified multi-load method for nonlinear source characterization

Rämmal, Hans; Boden, Hans Journal of sound and vibration 2007 / 4/5, p. 1094-1113
<https://www.sciencedirect.com/science/article/pii/S0022460X06006663>

Multiscale analysis of the acoustic scattering by many scatterers of impedance type

Challa, Durga Prasad; Sini, Mourad Zeitschrift für angewandte Mathematik und Physik 2016 / art. 58, p. 1-31 : ill
<https://doi.org/10.1007/s00033-016-0652-0> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nature de l'onde d'interface de Scholte sur une coque cylindrique

Maze, Gerard; Leon, Fernand; Ripoche, Jean; **Klauson, Aleksander**; **Metsaveer, Jaan**; Überall, H. Acustica 1995 / p. 201-213: ill

New tools in acoustics: transient surface wave analysis method. Study of lamb waves with positive or negative group velocity in an immersed shell

Martinez, Loic; Duclos, Jean; Tinel, Alain Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 281-284: ill

Non-linear impedance of a new sound absorptive fibreless material title

Auriemma, Fabio; **Tiikoja, Heiki** MIC 2015 : 2nd International Conference on Modelling, Identification and Control : August 9-10, 2015, Paris, France 2015 / p. 195-199 : ill <http://dx.doi.org/10.2991/mic-15.2015.44>

Normalisation of vehicle acoustic properties and it units in Russia

Galevko, Yu.V.; Ivanova, T.V.; Nikulnikov, E.N. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 335-338

Numerical approach for active structural-acoustic control of a fluid-loaded structure

Ross, Urmaz 1995

Numerical simulation of 3D flowfield in mixer-ejector nozzle and its using for evaluation of nozzle acoustic characteristics

Bosniakov, S.; Jitenev, V.; Matyash, S.; Mikhailov, S.; Nukhtikov, M.; Vlasenko, V.; Yatskevich, N. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 371-374: ill

Observation of nonlinear vibro-acoustic phenomena in the presence of elastic membrane with different boundary conditions [Online resource]

Moezzi, Reza Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p <http://fntdk.ut.ee/teesid-2018/>

Observation of nonlinear vibro-acoustic phenomena in the presence of elastic membrane with different boundary conditions

Moezzi, Reza; **Auriemma, Fabio** Euronoise 2018 Crete : conference proceedings 2018 / p. 2645-2651 : ill
http://www.euronoise2018.eu/docs/papers/437_Euronoise2018.pdf

On Acoustic Properties of Duct Termination Exhausting Hot Flow by Utilizing FEMSimulation

Rämmal, Hans; **Lavrentjev, Jüri** Evolutions in mechanical engineering 2021 / art. EME.000565
<https://crimsonpublishers.com/eme/fulltext/EME.000565.php>

On corners scattering stably and stable shape determination by a single far-field pattern

Blasten, Emilia Indiana University Mathematics Journal 2021 / p. 907-947 <https://doi.org/10.1512/IUMJ.2021.70.8411> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

On experimental techniques to determine acoustic performance of small exhaust silencers : SAE tech. paper no. 2009-32-

0015

Lavrentjev, Jüri; Rämmal, Hans SAE Technical Papers 2009 / [6] p <https://www.sae.org/publications/technical-papers/content/2009-32-0015/>

On the acoustic impedance of a fibreless sound absorptive element

Auriemma, Fabio; Tiikoja, Heiki SAE international journal of engines 2015 / p. 2268-2275 : ill <https://doi.org/10.4271/2015-24-2462>
[Journal metrics at Scopus](#) [Article at Scopus](#)

On the acoustic reflection at pipe opening

Rämmal, Hans; Lavrentjev, Jüri; Tiikoja, Heiki Proceedings of the 17th International Congress on Sound & Vibration (ICSV17) : Cairo, 18-22 July 2010 2010 / [8] p

On the vibro-acoustic properties of a rotating perforated railway wheel

Daneryd, A.; Frid, A.; Lundberg, E.; Nielsen, J. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 31-34: ill

Performance of additive manufactured stacks in a small scale thermoacoustic heat engine

Auriemma, Fabio; Holovenko, Yaroslav SAE Technical Papers 2019 / 2019-01-1534, 10 p. : ill <https://doi.org/10.4271/2019-01-1534>
[Journal metrics at Scopus](#) [Article at Scopus](#)

Protection of marine seismic probe receiving arrays towed in ice environment against the underwater noise generated by geophysical survey vessels

Maizel, A.B. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 285-288: ill

Ship source strength estimation in shallow water

Klauson, Aleksander; Mustonen, Mirko Proceedings of Meetings on Acoustics 2017 / art. 070004, 8 p. : ill
<https://doi.org/10.1121/2.0000989>

Single-Stage TTS with adapted vocoder and cross-attention: Taltech systems for the Limmits'24 Challenge

Rõbnikov, Daniil; Alumäe, Tanel 2024 IEEE International Conference on Acoustics, Speech, and Signal Processing Workshops (ICASSPW), Proceedings, 14-19 April 2024, Seoul, Korea 2024 / p. 121-122 : ill <https://doi.org/10.1109/ICASSPW62465.2024.10627656>
[Article at Scopus](#) [Article at WOS](#)

Sound reflection at an open end of a circular duct exhausting hot gas

Rämmal, Hans; Lavrentjev, Jüri Noise control engineering journal 2008 / 2, p. 107-114
<https://www.ingentaconnect.com/content/ince/ncej/2008/00000056/00000002/art00002?jsessionid=1nroaerjkh1bh.x-ic-live-01>

Sound reflection from subsonic flow duct termination exhausting hot jet

Rämmal, Hans; Lavrentjev, Jüri INTER-NOISE 2008 : 37th International Congress and Exposition on Noise Control Engineering : Shanghai, 26-29. October 2008 : proceedings. Vol 3 2009 / p. 1703-1711 <https://kth.diva-portal.org/smash/record.jsf?pid=diva2%3A337599&dswid=3257>

Source characterization of fans using acoustic 2-port models

Boden, Hans; Abom, Mats; **Lavrentjev, Jüri** Proceedings FAN NOISE, Sept., 1992, Senlis, France 1992 / p. 359-364

Statistical testing of an acoustic screen model

Kulbach, Valdek; Paane, Peeter Tallinna Tehnikaülikooli Toimetised 1990 / lk. 21-31: ill

Studies of flow duct acoustics with applications to turbocharged engines : doctoral thesis

Rämmal, Hans 2009 <https://www.diva-portal.org/smash/get/diva2:220198/fulltext01>

Surface wave conversion analysis on a lengthwise soldered circular cylindrical shell

Baillard, Andre; Chiumia, Jeremiah; Decultot, Dominique; Maze, Gerard; **Klauson, Aleksander; Metsaveer, Jaan** Journal of Acoustical Society of America 2008 / 4, p. 2061-2067 <https://pubs.aip.org/asa/jasa/article/124/4/2061/980878/Surface-wave-conversion-analysis-on-a-lengthwise>

Tallinna Laululava akustilised ekraanid

Laul, Heinrich Ehitusinsenerid TPI-st : [kogumik] 1986 / lk. 150-153 ; fotod https://www.ester.ee/record=b1248083*est

Tehisakustikaga kontserdisaal

Agur, Ustus Tehnika ja Tootmine 1984 / lk. 33-34 https://www.ester.ee/record=b1073047*est

Tehnikaülikoolis on uus ja võimas akustikalabor

Mente et Manu 2018 / lk. 9 : fot <https://www.ttu.ee/ttu-uudised/ajaleht-mente-et-manu/mente-et-manu/> http://www.ester.ee/record=b1242496*est
https://artiklid.elnet.ee/record=b2836014*est

Testrig for characterization of turbo-compressor acoustic properties [Electronic resource]

Rämmal, Hans; Abom, Mats Proceedings of the 29th International AIAA Aeroacoustics Conference : Vancouver, Canada, 2008
2008 / ? p. [CD-ROM] <https://arc.aiaa.org/doi/10.2514/6.2008-2959>

The passive acoustic effect of automotive catalytic converters

Lavrentjev, Jüri; **Rämmal, Hans**; **Tiikoja, Heiki** SAE technical papers 2011 / [8] p.: ill
https://www.researchgate.net/publication/289649603_The_Passive_Acoustic_Effect_of_Automotive_Catalytic_Converters

The passive acoustic effect of turbo-compressors

Rämmal, Hans; Galindo, J. 9th International Conference on Turbochargers and Turbocharging : London, UK, 2010 2010

TTÜ avas võimsa akustikalabori

Ehitaja 2018 / lk. 45 : fot http://www.ester.ee/record=b1072123*est

TTÜ uhiuus akustikalabor aitab nii arendus- kui ka teadustöös

Kamps, Mari Director. Inseneeria 2018 / lk. 104-107 : fot http://www.ester.ee/record=b1519314*est
https://artiklid.elnet.ee/record=b2834510*est

Underwater monitoring of pinniped vocalizations in the Gulf of Riga

Prawirasasra, Muhammad Saladin; **Mustonen, Mirko**; **Klauson, Aleksander** Proceedings of Meetings on Acoustics 2019 / art. 070015, 8 p. : ill <https://doi.org/10.1121/2.0001286>

Unique determination of the shape of a scattering screen from a passive measurement

Blasten, Emilia; **Päivärinta, Lassi Juhani**; **Sadique, Sadia** Mathematics 2020 / art. 1156, 15 p <https://doi.org/10.3390/math8071156>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Using 'Staggering' solution methods to solve vibro-acoustic problems

Gustavsson, Mats; Hansson, Mats Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 164-165

Uudne teadustöö pakub nippe aariate arusaadavamaks muutmiseks = Эстонские ученые выяснили, почему нам трудно разобрать слова в опере

novaator.err.ee 2023 [Uudne teadustöö pakub nippe aariate arusaadavamaks muutmiseks](#) [Эстонские ученые выяснили, почему нам трудно разобрать слова в опере](#)

Vajame saali akustikale kindlamat prognoosi

Jaanis, Malle; **Oruvee, Helmut** Ehitus ja Arhitektuur : Eesti Ehitusministeeriumi bülletään 1969 / lk. 20-25 : joon
https://www.ester.ee/record=b1294849*est

Validation of 1D and 3D analyses for performance prediction of an automotive silencer

Siano, Daniela; Auriemma, Fabio; Bozza, Fabio; **Rämmal, Hans** SAE technical papers 2011 / [14] p
https://www.researchgate.net/publication/258519244_Validation_of_1D_and_3D_Analyses_for_Performance_Prediction_of_an_Automotive_Silencer

Young's modulus of illitic clay in the temperature region of quartz transition

Hulan, Tomaš; Štubna, Igor; **Kaljuvee, Tiit**; Knappek, Michal Journal of thermal analysis and calorimetry 2022 / p. 7701-7707
<https://doi.org/10.1007/s10973-021-11083-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Акустическая очистка котлов

Tiikma, Toomas Экотехнология и ресурсосбережение 2002 / 1, с. 71-75

Акустодиагностика свойств неоднородной стандартной вязкоупругой среды

Ravasoo, Arvi Теория и расчет тонкостенных пространственных конструкций 1985 / с. 143-151 : ил
https://www.ester.ee/record=b1351699*est <https://digikogu.taltech.ee/et/Item/c696f9e4-1e00-42c7-8750-eb14ba1d01c4>

Анализ акустических полей, рассеянных упругими цилиндрами : автореферат ... кандидата физико-математических наук (01.02.04)

Korsunski, Viktor 1987 http://www.ester.ee/record=b1241063*est

Анализ акустических полей, рассеянных упругими цилиндрами : диссертация ... кандидата физико-математических наук : 01.02.04 - механика деформируемого твердого тела

Korsunski, Viktor 1986 http://www.ester.ee/record=b2456937*est

Анализ работы акустического экрана Тартуской певческой эстрады

Paane, Peeter Тонкостенные пространственные конструкции 1989 / с. 29-40

Влияние модели стрингера на рассеяние звука подкрепленными цилиндрическими оболочками

Metsaveer, Jaan; Klauson, Aleksander Акустика и ультразвуковая техника : республиканский межведомственный научно-технический сборник, 21 1986 / с? https://www.ester.ee/record=b1873199*est

Всесоюзный симпозиум взаимодействие акустических волн с упругими телами : (Таллинн, 26-27 октября 1989 г.) : краткие тексты докладов

1989 https://www.ester.ee/record=b1296539*est

Дифракция акустических волн на цилиндрической оболочке, подкрепленной стрингерами

Klauson, Aleksander Теория и расчет тонкостенных пространственных конструкций 1986 / с. 125-131

Дифракция акустических импульсов на упругих телах

Metsaveer, Jaan; Veksler, Naum; Stulov, Anatoli 1979 https://www.ester.ee/record=b1519387*est

Дифракция звука на оболочках сложной формы

Käes, Alar Всесоюзный симпозиум "Взаимодействие акустических волн с упругими телами" : краткие тексты докладов, Таллинн, 26-27 октября 1989 г. 1989 / с. 127-130 : илл https://www.ester.ee/record=b1296539*est

Дифракция звука на цилиндреской оболочке с деформируемым продольным ребром

Klauson, Aleksander; Metsaveer, Jaan Всесоюзный симпозиум "Взаимодействие акустических волн с упругими телами" : краткие тексты докладов, Таллинн, 26-27 октября 1989 г. 1989 / с. 106-109 : илл https://www.ester.ee/record=b1296539*est

Дифракция звука на цилиндрической оболочке, подкрепленной стрингерами : автореферат ... кандидата физико-математических наук (01.02.04)

Klauson, Aleksander 1987 http://www.ester.ee/record=b1353276*est

Дифракция звука на цилиндрической оболочке, подкрепленной стрингерами : диссертация ... кандидата физико-математических наук : 01.02.04 - механика деформируемого твердого тела

Klauson, Aleksander 1987 http://www.ester.ee/record=b2456725*est

Излучение акустических волн некруговой цилиндрической оболочкой в жидкости

Ross, Urmas; Lahe, Andres Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1990 / 1, lk. 40-45: ill

Излучение звуковых волн цилиндрическими оболочками произвольной формы в жидкости

Ross, Urmas Всесоюзный симпозиум "Взаимодействие акустических волн с упругими телами" : краткие тексты докладов, Таллинн, 26-27 октября 1989 г. 1989 / с. 160-162 : илл https://www.ester.ee/record=b1296539*est

Исследование акустики залов с точки зрения геометрической акустики

Oruvee, Helmut Строительные конструкции и строительная физика. 1 1963 / с. 225-242 : илл https://www.ester.ee/record=b2181827*est <https://digikogu.taltech.ee/et/Item/4f8bb93b-51f3-4d84-9ab1-07da67420b34>

Исследование акустических полей, рассеянных идеальными и упругими сфероидами : автореферат ... кандидата физико-математических наук (01.02.04)

Roždestvenski, Konstantin 1989 http://www.ester.ee/record=b2341602*est

Исследование акустических полей, рассеянных идеальными и упругими сфероидами : диссертация ... кандидата физико-математических наук : 01.02.04 - механика деформируемого твердого тела

Roždestvenski, Konstantin 1989 http://www.ester.ee/record=b2473507*est

Исследование эффекта акустических экранов на акустический баланс помещений

Oruvee, Helmut Строительные конструкции и строительная физика. 1 1963 / с. 205-224 : илл https://www.ester.ee/record=b2181827*est <https://digikogu.taltech.ee/et/Item/4f8bb93b-51f3-4d84-9ab1-07da67420b34>

Исследования текстуры белкового полуфабриката для тортов акустическим способом

Бальчунайте, Рима; Юодейкене, Гражина 35 научная конференция студентов вузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы : [Таллинн, 1991] : доклады. Секция химии и технологии пищевых продуктов. Секция биотехнологии 1991 / с. 13-15: ил

Моделирование подвижностей носителей. 1, Рассеивание на акустических фонах и на нейтральной и ионизированной примеси

Rang, Toomas Анализ и синтез сложных систем и цепей с помощью ЭВМ 1986 / с. 103-116

Некоторые вопросы прохождения акустических волн через слоистые пластины

Hein, A.; Tümanok, Aleksei XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов).

Математика, физика и химия 1970 / с. 12 https://www.ester.ee/record=b1379468*est

Нестационарное взаимодействие акустического импульса с упругим цилиндром, содержащим упругий наполнитель

Korsunski, Viktor Двумерное поле напряжений и оптимальные плоские системы 1981 / с. 55-62 : илл
https://www.ester.ee/record=b1319008*est <https://digikogu.taltech.ee/et/Item/8ec0bf04-e0db-4a16-a1ab-14a4b18e0132>

О влиянии продольных ребер на акустическое поле, рассеянной круговой цилиндрической оболочкой
Klauson, Aleksander; Metsaveer, Jaan IV Всесоюзный симпозиум по физике акусто-гидродинамических явлений и оптоакустике, Ашхабад, 1985 1985 / с. 52

О возможности моделирования звукового поля

Talvik, Andres Труды 9. всесоюзной акустической конференции 1977 / с. [?]

О погрешности измерения среднеквадратичного уровня акустических сигналов, обусловленной ограничением амплитуды сигналов в измерительном тракте

Tamm, Ullas Акустический журнал 1974 / с. 648-650 : илл https://www.ester.ee/record=b1355881*est

О применении теории оболочек в задачах рассеяния акустических волн от сферических оболочек в жидкой среде

Metsaveer, Jaan Труды VII Всесоюзной конференции по теории оболочек и пластинок, Днепропетровск, 1969 1970 / с. 421-424 : ил https://www.ester.ee/record=b2874701*est

О применимости первого асимптотического приближения для описания изменения формы волны в акустодиагностике неоднородной среды

Ravasoo, Arvi Статические и динамические методы анализа пластин и оболочек 1984 / с. 73-80 : ил
https://www.ester.ee/record=b1513177*est <https://digikogu.taltech.ee/et/Item/b3b9ea4a-074a-483e-bbaa-e387c7dfa79e>

О рассеянии акустических волн от упругих сферических оболочек : автореферат ... кандидата технических наук (023)

Metsaveer, Jaan 1970 https://www.ester.ee/record=b1380792*est

О рассеянии акустических волн от упругих сферических оболочек : диссертация на соискание ученой степени кандидата технических наук

Metsaveer, Jaan 1970 https://www.ester.ee/record=b3036970*est

О рассеянии волн упругими сферическими оболочками в акустической среде

Metsaveer, Jaan Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1970 / lk. 415-422 : ill
https://www.ester.ee/record=b1264310*est

О рассеянии нестационарных эхо-сигналов упругими сферическими оболочками

Metsaveer, Jaan Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1971 / lk. 295-299 : ill
https://www.ester.ee/record=b1264310*est

Применение звукопоглощающих материалов для акустического благоустройства зрительных залов в Эстонской ССР

Jaanis, Malle Сборник докладов по строительству : [доклады конференции молодых ученых и специалистов Прибалтики и Белорусской ССР по проблемам строительства в Риге 1971 г 1971 / с. 163-167 https://www.ester.ee/record=b1332034*est

Проблемы архитектурно-акустического проектирования музыкальных залов и студий

Oruvee, Helmut Сборник статей по санитарной технике. 1 1964 / с. 137-156 : илл https://www.ester.ee/record=b2085151*est
<https://digikogu.taltech.ee/et/Item/56972baf-c3b8-4c5d-a24d-4837b838dacc>

Рассеяние звука на цилиндрической продольно-подкрепленной оболочке

Klauson, Aleksander; Metsaveer, Jaan Акустический журнал 1989 / с. 71-75 https://www.ester.ee/record=b1355881*est

Расчет акустических характеристик систем газообмена двухтактных двигателей

Lavrentjev, Jüri Повышение мощностных, экономических и экологических характеристик двухтактных карбюраторных двигателей : материалы Таллинского всесоюзного научно-технического семинара, 1-3 декабря 1987 года 1988 / с. 29-30
https://www.ester.ee/record=b1226891*est

Теория и практика применения акустических экранов для массовых ансамблей

Oruvee, Helmut Строительные конструкции и строительная физика. 1 1963 / с. 187-204 : илл
https://www.ester.ee/record=b2181827*est <https://digikogu.taltech.ee/et/Item/4f8bb93b-51f3-4d84-9ab1-07da67420b34>

