

A study of confined rotating flow

Hansen, Peter; Dyrmoose, Steen Z.; Condra, Thomas J.; Lundgren Kai D. Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 148-151: ill

About cooperation of the fluid mechanics investigations

Liiv, Uno Proceedings of Baltic-Scandinavian Symposia of Fluid Mechanics 01.09.1993 1993

An investigation of shear stresses on the wall of the pipe at the starting from rest of liquid by means of the thermo-anemometer

Liiv, Uno; Koppel, Tiit Proceedings of the Dynamic Flow Conference 1978 on Dynamic Measurements in Unsteady Flows : I.M.S.T., Marseille, France, September 11 - 14, 1978 1979 / p. ?

An investigation of turbulence generation and wall shear stress spectral analysis during unsteady flow in tubes

Ainola, Leo; Koppel, Tiit; Liiv, Uno XVIII IAHR Congress : Cagliari, Italia, 10 - 14 Sept. 1979 : 3, Proceedings, Subject B : Mass and heat exchange in hydraulic phenomena 1979 / p. 165-172

Analyzing the emptying process of a large-scale pipeline with three-dimensional CFD simulations

Chen, Xifeng; Hou, Qingzhi; Tijsseling, Arris S.; Laanearu, Janek; Khu, Soon Thiam Journal of hydraulic engineering 2025 / art. 04025036 <https://doi.org/10.1061/JHEND8.HYENG-14153>

Buoyancy-driven two-layer exchange flows across a slowly submerging barrier

Cuthbertson, Alan; Laanearu, Janek; Davies, Peter A. Environmental fluid mechanics 2006 / p. 133-151 : ill
https://www.researchgate.net/publication/227110315_Buoyancy-Driven_Two-Layer_Exchange_Flows_Across_a_Slowly_Submerging_Barrier

Characterisation of fluid machines as acoustic two-port sources

Abom, Mats; Boden, Hans; Lavrentjev, Jüri Proceedings INTER-NOISE '93, Belgium 1993 / p. 1235-1238

Computational fluid and solid mechanics - University of Latvia experience

Bulgins, Leonids Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 73-75

Determination of source impedance of fluid machines by lumped element model [Electronic resource]

Lavrentjev, Jüri Proceedings of 17-th International Congress of Acoustics (ICA 2001) : September 2-7, 2001, Rome, Italy 2001 / [3] p. [CD-ROM]
https://www.researchgate.net/publication/297707838_Determination_of_Source_Impedance_of_Fluid_Machines_by_Lumped_Element_Model

Dynamic motion analysis of stepless and stepped planing hulls in random waves: a CFD model perspective

Niazmand Bilandi, Rasul; Tavakoli, Sasan; Mancini, Simone; Dashtimanesh, Abbas Applied Ocean Research 2024 / art. 104046
<https://doi.org/10.1016/j.apor.2024.104046>

Error estimation of Navier-Stokes computations based on superconvergent patch recovery

Okstad, Knut Morten; Kvamsdal, Trond Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 155-158: ill

Euromech Colloquium 319 : theoretical and experimental aspects of particle-laden flows

Rudi, Ülo; Engelbrecht, Jüri Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1994 / 4, lk. 217-221

Experimental dataset on aluminium wedge slamming: Measurements of acceleration, pressure, strain, and video data

Hosseinzadeh, Saeed; Tabri, Kristjan; Sahk, Tarmo; Teär, Ruttar Data in brief 2024 / art. 110818
<https://doi.org/10.1016/j.dib.2024.110818> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental study on the dynamic response of a 3-D wedge under asymmetric impact

Hosseinzadeh, Saeed; Tabri, Kristjan Journal of hydrodynamics 2024 / p. 263-274 <https://doi.org/10.1007/s42241-024-0023-9>

Experiments on unsteady separating flow in an open channel

Koppel, Tiit 1981

Flow past a fixed circular cylinder : a benchmark test

Okstad, Knut Morten; Mathisen, Kjell Magne Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 152-154: ill

Formation number of vortex rings

Danaila, Ionut; Kaplanski, Felix; Sazhin, Sergei Vortex Ring Models 2021 / p. 121-139 https://doi.org/10.1007/978-3-030-68150-0_6
[Article collection metrics at Scopus](#) [Article at Scopus](#)

A Model for the formation of "optimal" vortex rings taking into account viscosity

Kaplanski, Felix; Rudi, Ülo Physics of fluids 2005 / 8, [7] p <https://pubs.aip.org/aip/pof/article/17/8/087101/361381/A-model-for-the-formation-of-optimal-vortex-rings>

Modelling and reconstruction of impulsively started flows using vortex ring models

Zhang, Y.; Danaïla, Ionuț; **Kaplanski, Felix** Book of abstracts of European Fluid Mechanics Conference 9 : 9-13 September 2012, Roma, Italy 2012 / [1] p.: ill https://www.researchgate.net/publication/278242781_Modelling_and_reconstruction_of_impulsively_started_flows_using_vortex_ring_models

Modelling of confined vortex rings

Danaïla, Ionuț; **Kaplanski, Felix**; Sazhin, Sergei Journal of fluid mechanics 2015 / p. 267-297 : ill <https://doi.org/10.1017/jfm.2015.261> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling of crystal growth of KDP in a 100dm³ suspension crystallizer using combination of CFD and multiblock model

Liiri, Maret; Hatakka, Henry; **Kallas, Juha**; Aittamaa, Juhani; Alopaeus, Ville Chemical engineering research and design 2010 / 9, p. 1297-1303 : ill <https://www.sciencedirect.com/science/article/pii/S0263876209003189>

Modelling of fluid machines as sources of sound in duct and pipe systems

Lavrentjev, Jüri; Abom, Mats; Boden, Hans INTER-NOISE 96, Southampton, 1996 1996 https://www.researchgate.net/publication/285343911_Modelling_of_fluid_machines_as_sources_of_sound_in_duct_and_pipe_systems

Multi-port models for source characterization of fluid machines : Doctoral thesis 1998

Lavrentjev, Jüri 1998 https://www.ester.ee/record=b1351999*est

Numerical simulation of three-dimensional gas-solid particle flow in a horizontal pipe

Kartušinski, Aleksander; Michaelides, Efsthios; **Rudi, Ülo**; Tisler, Sergei; Štšeglov, Igor AIChE journal 2011 / p. 2977-2988 : ill

On the modelling of fluid machines as acoustic N-port sources

Lavrentjev, Jüri Proceedings of International Conference INTER-NOISE 94, Japan, Yokohama, August 1994 1994 / p. 379-382 <https://www.ingentaconnect.com/contentone/ince/incecp/1994/00001994/00000006/art00065;jsessionid=cpl3u5bbp88g.x-ic-live-02>

Quartic polynomial approximation for fluctuations of separation of trajectories in chaos and correlation dimension

Fouxon, Itzhak; Ainsaar, Siim; **Kalda, Jaan** Journal of Statistical Mechanics : Theory and Experiment 2019 / art. 083211, 26 p <https://doi.org/10.1088/1742-5468/ab3458> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reynolds-number effect on vortex ring evolution

Kaplanski, Felix; Fukumoto, Y.; **Rudi, Ülo** Recent Progresses in Fluid Dynamics Research : proceedings of the Sixth International Conference on Fluid Mechanics, 30 June - 3 July, 2011, Guangzhou, China 2011 / p. 57-60 : ill https://www.researchgate.net/publication/234946883_Reynolds-number_Effect_on_Vortex_Ring_Evolution

Simultaneous flow measurement and deformation tracking for passive flow control experiments involving fluid–structure interactions

Kösters, Wolf Iring; Hoerner, Stefan Journal of Fluids and Structures 2023 / art. 103956 <https://doi.org/10.1016/j.jfluidstructs.2023.103956> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Three-dimensional finite element modelling of chemical environment in droplet-based microfluidic systems for drug therapy applications

Szomor, Zsombor; **Gyimah, Nafisat**; Pardy, Tamas; Fürjes, Peter Physics of fluids 2025 / art. 072045 <https://doi.org/10.1063/5.0275809>

Uni- and bidirectional stratified flows in submerged openings of built environment = Ühe- ja kahesuunaline stratifitseeritud voolamine konstruktsioonipiirde uputatud avades

Kollo, Monika 2018 <https://digi.lib.ttu.ee/i/29257> https://www.ester.ee/record=b4758708*est

Using portable air cleaners to restrict airborne transmission in an open plan office – a field measurement and CFD study

Kilpeläinen, Simo; Ejaz, Muhammad F.; **Mikola, Alo**; **Kiil, Martin**; **Kurnitski, Jarek**; Kosonen, Risto E3S Web of Conferences : Roomvent Conference 2024 2024 / 6 p <https://invitepeople.com/public/events/fe41371a0b/pages/ed19d3ae89>

Ventilation effectiveness measurements and CFD simulations in classrooms for infection risk control

Mikola, Alo; **Kiil, Martin**; **Võsa, Karl-Villem**; Ejaz, Muhammad Farhan; **Kilpeläinen, Simo**; **Kosonen, Risto**; **Kurnitski, Jarek** E3S Web of Conferences : Roomvent Conference 2024 2024 / 6 p <https://invitepeople.com/public/events/fe41371a0b/pages/ed19d3ae89>

Verifying empirical correlations of superelliptic particle lift and drag characteristics using CFD

Rosendahl, L.; Kaer, S.K.; Condra, T. Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 247-250: ill

Исследование гидравлических сопротивлений при движении жидкости в руслах с неоднородной шероховатостью : автореферат ... кандидата технических наук (05.278)

Hääl, Maire-Liis 1971 http://www.ester.ee/record=b1390060*est

Исследование гидравлических сопротивлений при движении жидкости в руслах с неоднородной шероховатостью : диссертация ... кандидата технических наук : 05.278 - гидравлика и инженерная гидрология

Hääl, Maire-Liis 1970 http://www.ester.ee/record=b2252361*est

Исследование гидравлических сопротивлений при напорном движении морского ила : автореферат... кандидата технических наук (05.278)

Säärekõnno, Jüri 1972 http://www.ester.ee/record=b1353886*est

Исследование гидравлических сопротивлений при напорном движении морского ила : диссертация ... кандидата технических наук : 05.278 - гидравлика и инженерная гидрология

Säärekõnno, Jüri 1972 http://www.ester.ee/record=b2266049*est

Исследование гидравлического сопротивления при безнапорном движении жидкости в круглых трубах : автореферат ... кандидата технических наук (05.278)

Hääl, Kaido 1971 http://www.ester.ee/record=b1391115*est

Исследование гидравлического сопротивления при безнапорном движении жидкости в круглых трубах : диссертация ... кандидата технических наук : 05.278 - гидравлика и инженерная гидрология

Hääl, Kaido 1971 http://www.ester.ee/record=b2252645*est

Исследование замены режима ламинарного нестационарного движения турбулентным в трубах

Ainola, Leo; Koppel, Tiit; Lamp, Jürgen; Liiv, Uno Пятый Всесоюзный съезд по теоретической и прикладной механике, Алма-Ата, 27 мая - 3 июня 1981 года : аннотации докладов 1981 / с. ? https://www.ester.ee/record=b2682342*est

К вопросу о пограничных условиях турбулентного потока

Teraks, Leo 1949 https://www.ester.ee/record=b1431491*est <https://digikogu.taltech.ee/et/Item/9c92ff3f-c092-4700-9eee-bffe90ec1fc6>

Моделирование движения плотного газодисперсного потока в горизонтальном канале : падающий и отраженный потоки

Kartušinski, Aleksander; Michaelides, Efstathios; Rudi, Ülo Известия АН РАН. Механика жидкости и газа 2005 / ? р

Нестационарное движение жидкости в трубе вместе с поплавком, имеющим форму цилиндрической трубы

Ainola, Leo; Liiv, Uno Неустановившиеся процессы в системах водоснабжения и водоотведения 1988 / с. 73-82

Течение Куэтта

Kaldjärv, K.; Merisalu, Tiit Тезисы докладов XXXI студенческой научно-технической конференции 1980 / с. 41-42
https://www.ester.ee/record=b1319482*est