

Akadeemik Alumäe 50 aastane

Ainola, Leo Matemaatika ja kaasaeg : metoodilisi materjale matemaatikaüliõpilastele ja teistele matemaatika õppijatele 1965 / lk. 99-100 https://www.ester.ee/record=b1181490*est

Alternative equations of magnetophotoelasticity and aproximate solution of the inverse problem

Ainola, Leo; Aben, Hillar Journal of the Optical Society of America A, Optics image science and vision 2002 / 9, p. 1886-1893

An inverse approach for leakage identification in water distribution systems

Koppel, Tiit; Puust, Raido; Ainola, Leo XXIII Nordic Hydrological Conference ["Fresh Water Resources Management"] : Tallinn, Estonia, 8-12 August 2004 : selected articles. Vol. I 2004 / p. 342-349 : ill https://artiklid.elnet.ee/record=b2343456*est

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

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

Application of integrated photoelasticity to the determination of viscous flow velocity in closed conduits

Ainola, Leo Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 1998 / 1, p. 48-55

Application of the integrated photoelasticity to determination of residual stresses in glass

Aben, Hillar; **Ainola, Leo; Anton, Johan** Advances of Methods of Experimental Mechanics 2003 / p. 24-39

Boundary layer with heat load in transitional accelerating pipe flow

Ainola, Leo; Ekholm, Ari; Koppel, Tiit; Lähdeniemi, Matti; Puust, Raido Hydrodynamics V. Volume 1, Theory and applications : proceedings of the fifth International Conference on Hydrodynamics : Tainan, Oct. 31 - Nov. 2, 2002 2002 / p. 523-528 : ill

Capacity reliability of water distribution systems

Vaabel, Joonas; Koppel, Tiit; Ainola, Leo; Sarv, Laur Journal of Hydroinformatics 2014 / p. 731-741

<https://doi.org/10.2166/hydro.2013.040> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Complete residual stress measurement in axisymmetric glass articles

Aben, Hillar; **Ainola, Leo; Anton, Johan** Proceedings of the 18th International Congress on Glass, San Francisco, 1998. B6 1998 / p. 46-50

Complete residual stress measurement in axisymmetric glass articles

Aben, Hillar; **Ainola, Leo; Anton, Johan** Experimental mechanics 1998 / p. 1343-1346

Complex approach to the water network model calibration and the leakage distribution

Ainola, Leo; Koppel, Tiit; Vassiljev, Anatoli Hydraulic Engineering Software VIII : [Eighth International Conference on Hydraulic Engineering Software : HYDROSOFT 2000] 2000 / p. 91-100 : ill <https://www.witpress.com/Secure/elibrary/papers/HY00/HY00008FU.pdf>

Determination des contraintes dans les preforms optiques a saut d'indice

Aben, Hillar; **Ainola, Leo; Anton, Johan**; Errapart, Andrei Colloque "Photomecanique 2001" 2001 / p. 71-78

Development of accelerating pipe flow starting from rest

Annus, Ivar; Koppel, Tiit; Sarv, Laur; Ainola, Leo Journal of fluids engineering 2013 / p. 111204-1 - 111204-10 : ill

<https://doi.org/10.1115/1.4025256> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Discrete algorithm of integrated photoelasticity for axisymmetric problems

Anton, Johan; Aben, Hillar; **Ainola, Leo** International Conference on Advanced Technology in Experimental Mechanics : The Second Asian Conference on Experimental Mechanics, Nagoya, 2003 2003 / [6] p

Discussion: Shuy, E.B. Approximate wall shear equation for unsteady laminar pipe flows, Journal of Hydraulic Research, Vol. 33, No. 4, 1995, p. 457-469

Ainola, Leo; Liiv, Uno Journal of hydraulic research 1996 / 3, p. 430-432

Diurnal dynamic analysis of water distribution networks

Ainola, Leo; Koppel, Tiit; Kändler, Nils Advances in Water Supply Management : proceedings of the International Conference on Computing and Control for the Water Industry, 15-17 September 2003, London, UK 2003 / p. 165-171 : ill

<https://www.taylorfrancis.com/chapters/edit/10.1201/NOE9058096081-19/diurnal-dynamic-analysis-water-distribution-networks-ainola-koppel-k%C3%A4ndler>

Diurnal dynamics effect on freezing of urban water system

Koppel, Tiit; Ainola, Leo 1st UNESCO IHP VI Workshop : Integrated Urban Water Management in Cold Climate : NTNU, Trondheim, Norway, November 3-4, 2005 : book of abstracts 2005 / p. 79-80

Duality in optical theory of twisted birefringent media

Ainola, Leo; Aben, Hillar Journal of the Optical Society of America A, Optics image science and vision 1999 / 10, p. 2545-2549
<https://opg.optica.org/josaa/abstract.cfm?URI=josaa-16-10-2545>

Energetic optimization by rehabilitation of oversized water distribution networks

Ainola, Leo; Koppel, Tiit; Kändler, Nils Pumps, electromechanical devices and systems applied to urban water management.
Volume 1 2003 / p. 3-9

Energy-based analysis for rehabilitation of water distribution networks

Ainola, Leo; Koppel, Tiit; Vassiljev, Anatoli Proceedings of the EWA/AGHTM Conference "Operation and Maintenance of Sewer and Water Pipes", Paris, 2003 2003 / p. 163-175

Experience of calibration of model of water supply system

Ainola, Leo; Koppel, Tiit; Kändler, Nils; Vassiljev, Anatoli 5th International Congress ECWATECH-2002, Moscow : abstracts 2002 / p. 214-215

Experimental data processing system for unsteady flow studies

Ainola, Leo; Koppel, Tiit; Lamp, Jürgen; Liiv, Uno XIX IAHR Congress, New Delhi, India, 2-7 February 1981 : proceedings = XIX Congrès de l'AIHR, New Delhi, Inde, 2-7 février 1981 ; Vol. 5: Subject D 1981 / p. 535-544

Generalized sum rule for thermal and residual stresses in axisymmetric glass articles

Aben, Hillar; **Ainola, Leo** Proceedings of the 3rd International Congress on Industrial and Applied Mathematics, Hamburg, 1995 1996 / 5, p. 3-4

Half-fringe phase-stepping with separation of the principal stress directions

Aben, Hillar; **Ainola, Leo; Anton, Johan** Proceedings of the Estonian Academy of Sciences. Engineering 1999 / 3, p. 198-211: ill
https://artiklid.elnet.ee/record=b1001721*est

Heat transfer by a pulsating flow in thermally developing region of a pipe

Ainola, Leo; Ekholm, Ari; Koppel, Tiit; Lähdeniemi, Matti Progress in engineering heat transfer 1999 / p. 249-256

Heat transfer in the thermally developing region for pulsating tube flow

Ainola, Leo; Koppel, Tiit; Lähdeniemi, Matti Proceedings of the Estonian Academy of Sciences. Engineering 1999 / 1, p. 41-52: ill

Heat transfer investigation in pipe by IR-thermography

Koppel, Tiit; Ainola, Leo; Ekholm, Ari; Lähdeniemi, Matti Thermosense XXII : 25-27 April 2000, Orlando, Florida : proceedings 2000 / p. 267-275 : ill

Heat transfer investigation of pulsating and accelerated pipe flow by IR-thermography

Lähdeniemi, Matti; **Ainola, Leo; Koppel, Tiit; Ekholm, Ari** Hydrodynamics IV : Theory and Applications : proceedings of the Fourth International Conference on Hydrodynamics : Yokohama, 7-9 September 2000. Vol. II 2000 / p. 913-918 : ill

Hybrid mechanics for axisymmetric thermoelasticity problems

Ainola, Leo; Aben, Hillar Journal of thermal stresses 2000 / 7, p. 685-698

Hybrid stress analysis with integrated photoelasticity

Ainola, Leo; Aben, Hillar IUTAM Symposium on Advanced Optical Methods and Applications in Solid Mechanics 2000 / p. 342-348

Hydraulic power analysis for determination of characteristics of a water distribution system [Electronic resource]

Vaabel, Joonas; Ainola, Leo; Koppel, Tiit 8th Annual Water Distribution Systems Analysis Symposium : proceedings of WDSA 2006 : [Cincinnati, Ohio, USA], August 27-30, 2006 2006 / [9] p. : ill. [CD-ROM]

Hydraulic power analysis of flows in water distribution network

Koppel, Tiit; Ainola, Leo; Vassiljev, Anatoli CCWI 2005 : proceedings of the Eighth International Conference on Computing and Control for the Water Industry : Exeter, UK. Volume 1 2005 / p. 317-322

Identification of transition to turbulence in a highly accelerated start-up pipe flow

Koppel, Tiit; Ainola, Leo Transactions of the ASME. Journal of fluids engineering 2006 / July, p. 680-686 : ill
<https://asmedigitalcollection.asme.org/fluidsengineering/article/128/4/680/466677/Identification-of-Transition-to-Turbulence-in-a>

Integraalne fotoelastsusmeetod klaastoodete kvaliteedi kontrollimiseks

Aben, Hillar; **Ainola, Leo; Anton, Johan; Errapart, Andrei** Teadusmõtte Eestis : tehnikateadused 2002 / lk. 9-13 : ill

Integraalse fotoelastsusmeetodi teooria, mõõtmistehnoloogia ja aparatuuri väljatöötamine ja rakendamine jääkpingete mõõtmiseks klaasitööstuses : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööde tsüklile

Aben, Hillar; Ainola, Leo; Anton, Johan; Errapart, Andrei Tallinna Tehnikaülikooli aastaraamat 2009 2010 / lk. 183-187 : ill
https://www.ester.ee/record=b1212786*est

Integrated photoelasticity as a tool quality control in glass industry

Aben, Hillar; **Ainola, Leo; Anton, Johan** VDI (Verein Deutscher Ingenieure) Berichte 1999 / p. 233-238

Integrated photoelasticity for nondestructive residual stress measurement in glass

Ainola, Leo; Aben, Hillar; Anton, Johan Optics and lasers in engineering 2000 / 1, p. 49-64

Integrated photoelasticity for quality control in glass industry

Aben, Hillar; **Ainola, Leo; Anton, Johan** 17th Danubia-Adria Symposium on Experimental Mechanics in Solid Mechanics : Prague, October 11-14, 2000 2000 / [4] p

Interference blots and fringe dislocations in optics of twisted birefringent media

Aben, Hillar; **Ainola, Leo** Journal of the Optical Society of America A, Optics image science and vision 1998 / 9, p. 2404-2411

Interference blots in integrated fringe patterns

Ainola, Leo; Aben, Hillar IUTAM Symposium on Advanced Optical Methods and Applications in Solid Mechanics 2000 / p. 33-41
https://link.springer.com/chapter/10.1007/0-306-46948-0_4

Interference blots in integrated fringe patterns

Aben, Hillar; **Ainola, Leo** Advanced optical method and applications in solid mechanics. Vol. 1. Mo-P2 1998 / p. 1-8

Inverse problem for vibrating quasi-homogeneous string

Ainola, Leo Tallinna Tehnikaülikooli Toimetised 1992 / lk. 23-32

IR technology and image processing applied to flow investigation

Lähdeniemi, Matti; Ekholm, Ari; **Koppel, Tiit; Ainola, Leo** Machine vision news 2002 / p. 12

Isochromatic fringes in photoelasticity

Ainola, Leo; Aben, Hillar Journal of the Optical Society of America A, Optics image science and vision 2000 / 4, p. 750-755

Isospectral vibration of quasi-uniform rods and strings

Ainola, Leo Proceedings of the Estonian Academy of Sciences. Engineering 1996 / 2, p. 224-232

Koolimatemaatika kõrgkooli tarvis

Ainola, Leo; Ruustal, Endel Nõukogude Õpetaja : Eesti NSV Riikliku Hariduskomitee ning Haridus- ja Teadustöötajate Ametiühingu Eesti Vabariikliku Komitee häälekandja 1987 / lk. 3 https://www.ester.ee/record=b1237176*est <https://dea.digar.ee/cgi-bin/dea?a=cl&cl=CL1&sp=noukogudeopetaja>

Kõrgema matemaatika teatmik. I, Põhimõisted. Lineaaralgebra. Analüütiline geomeetria

1978 https://www.ester.ee/record=b1308433*est

Kõrgema matemaatika teatmik. II, Diferentsiaal- ja integraalarvutus

1978 https://www.ester.ee/record=b1279794*est

Kõrgema matemaatika teatmik. III, Kõrgema matemaatika eripeatükke

1978 https://www.ester.ee/record=b1286244*est

Matemaatika tehnikahariduses eile, täna ja homme

Ainola, Leo Koolimatemaatika 2001 / lk. 76-77

A mathematical model for the determination of leakage in mains and water distribution networks

Koppel, Tiit; Ainola, Leo; Puust, Raido Proceedings of the Estonian Academy of Sciences. Engineering 2007 / 1, p. 3-16 : ill

Mathematical modelling of unsteady flow in long pipes

Ainola, Leo Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1990 / 3, lk. 282-289

Modelling of unsteady hydrodynamic processes in pipes

Ainola, Leo; Liiv, Uno Symposium on Scale Effects in Modelling Hydraulic Structures, September 3-6, 1984 1984 / 35-1-35-4

A new relationship for the experimental-analytical solution of the axisymmetric thermoelasticity problem : short communication

Ainola, Leo; Aben, Hillar ZAMM : Zeitschrift für Angewante Mathematik und Mechanik 2004 / 3, p. 211-215
<https://www.osti.gov/etdeweb/biblio/20629002>

On energy efficiency of water distribution system

Vaabel, Joonas; Koppel, Tiit; Ainola, Leo Water Management Challenges in Global Change : proceedings of the 9th Computing and Control for the Water Industry (CCWI2007) and Sustainable Urban Water Management (SUWM2007) Conferences : Leicester, UK, 3-5 September, 2007 2007 / p. 169-172

On hybrid thermomechanics for multilayered cylinders

Ainola, Leo; Aben, Hillar Journal of thermal stresses 2004 / p. 195-207 : ill
<https://www.tandfonline.com/doi/full/10.1080/01495730490264303>

On hydraulic power capacity of water supply system

Koppel, Tiit; Ainola, Leo; Vaabel, Joonas Integrating Water Systems : proceedings of the Tenth International Conference on Computing and Control in the Water Industry 2009 : CCWI2009 : Sheffield, UK, 1-3 September 2009 2009 / p. 551-555

On real and imaginary algorithms of optical tensor field tomography

Aben, Hillar; Errapart, Andrei; Ainola, Leo Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2006 / 2, p. 112-127

On the alternative equations of water hammer

Koppel, Tiit; Ainola, Leo Proceedings of 32nd Congress of IAHR : Venice, Italy, July 1-6, 2007 2007 / [9] p

On the optical theory of photoelastic tomography

Ainola, Leo; Aben, Hillar Journal of the Optical Society of America A, Optics image science and vision 2004 / 6, p. 1093-1101

Optical tomography of the laser's Gaussian electric field

Aben, Hillar; Ainola, Leo Optics & laser technology 2001 / p. 29-30 : ill

Photoelastic residual stress measurement in glass articles as a problem of hybrid mechanics

Aben, Hillar; Ainola, Leo; Puro, A. Proceedings of the 17th Symposium on Experimental Mechanics of Solids, Jachranka, Poland, 1996 1996 / p. 1-10

Photoelastic tomography for residual stress measurement in glass

Aben, Hillar; Errapart, Andrei; Ainola, Leo; Anton, Johan Optical metrology in production engineering 2004 / p. 1-11

Photoelastic tomography in linear approximation

Aben, Hillar; Ainola, Leo; Anton, Johan; Errapart, Andrei International Conference on Advanced Technology in Experimental Mechanics : The Second Asian Conference on Experimental Mechanics, Nagoya, 2003 2003 / [6] p. : ill
https://www.researchgate.net/publication/317676395_OS01W0036_Photoelastic_tomography_in_linear_approximation

Photoelastic tomography in linear approximation [Electronic resource]

Errapart, Andrei; Aben, Hillar; Ainola, Leo Proceedings of the 2004 SEM X International Congress & Exposition on Experimental and Applied Mechanics 2004 / [8] p. [CD-ROM]

Principal formulas of integrated photoelasticity in terms of characteristic parameters

Ainola, Leo; Aben, Hillar Journal of Optical Society of America 2005 / 6, p. 1181-1186

Principle of locality and its application to water network model calibration

Ainola, Leo; Koppel, Tiit; Kändler, Nils; Vassiljev, Anatoli Water software systems : theory and applications. Vol. 1 2001 / p. 111-120

Rehabilitation aspects of oversized water distribution networks

Ainola, Leo; Koppel, Tiit; Kändler, Nils Hydraulic information management 2002 / p. 351-360

Residual stress measurement in glass articles of complicated shape using integrated photoelasticity

Aben, Hillar; Ainola, Leo; Anton, Johan Proceedings of the International Conference on Material Engineering, Gallipoli-Lecce, 1996. 1 1996 / p. 291-299

Sum rules for photoelastic residual stress measurement in axisymmetric glass articles

Aben, Hillar; Ainola, Leo; Anton, Johan Proceedings of the International Conference an Advanced Technology in Experimental Mechanics'99 : July 21 through 24, 1999, Japan. Vol. 2 1999 / p. 629-634

Survetorude hüdrodünaamika probleeme

Koppel, Tiit; Ainola, Leo; Vassiljev, Anatoli Teadusmõtte Eestis. 4, Tehnikateadused. 2 2007 / lk. 33-40 : ill

Teaduspreemia innovaatilise tooteni viinud väljapaistva teadus- ja arendustöö "Integraalse fotoelastsusmeetodi teooria,

mõõtmistehnoloogia ja aparatuuri väljatöötamine ja rakendamine jääkpingete mõõtmisel klaasitööstuses" eest : Hillar Aben (kollektiivi juht), Leo Ainola, Andrei Errapart, Johan Anton
Aben, Hillar; Ainola, Leo; Errapart, Andrei; Anton, Johan Eesti Vabariigi teaduspreemiad 2009 / lk. 40-57 : ill., fot

The inverse Sturm-Liouville problem for quasi-homogeneous potential and the variational method
Ainola, Leo Tallinna Tehnikaülikooli Toimetised 1994 / lk. 11-18

The skin friction coefficient during accelerated flows in pipes
Ainola, Leo; Koppel, Tiit; Lamp, Jürgen; Liiv, Uno XX Congress of the International Association for Hydraulic Research, Moscow USSR September 5-9, 1983. Vol. 6, Proceedings, subject A, B, C, D, supplement 1983 / p. 453-460
https://www.ester.ee/record=b1984825*est

Theory of magnetophotoelasticity with multiple reflections
Ainola, Leo; Aben, Hillar Journal of optics A : pure and applied optics 2004 / 1, p. 51-56 : ill

О возможностях формулировки вариационной задачи в нелинейной теории упругих оболочек
Ainola, Leo 1957 https://www.ester.ee/record=b1273997*est <https://digikogu.taltech.ee/et/Item/9d477f99-eab8-40c8-be38-482e75acd9c8>

Transformation equations in polarization optics of inhomogeneous birefringent media
Ainola, Leo; Aben, Hillar Journal of the Optical Society of America A, Optics image science and vision 2001 / 9, p. 2164-2170 : ill
<https://pubmed.ncbi.nlm.nih.gov/11551050/>

Transformation equation in three-dimensional photoelasticity
Ainola, Leo; Aben, Hillar Journal of the Optical Society of America A, Optics image science and vision 2006 / 3, p. 741-746

Turbulent structure development in transient pipe flow
Ainola, Leo; Daniel, Eghert; Kask, Endel; Koppel, Tiit; Liiv, Uno Preprinted proceedings : 21st Congress, International Association for Hydraulic Research, Melbourne, 19-23 August 1985 = Compte-rendus 21e Congrès, Association internationale de recherches hydrauliques, Melbourne, 19 au 23 août 1985. Vol. 6 1985 / p. 6

Water network model as a tool for making rehabilitation decisions
Ainola, Leo; Koppel, Tiit; Kändler, Nils XXII Nordic Hydrological Conference : Roros, Norway 4-7 August 2002. Vol. II 2002 / p. 749-756 : ill

Water network model calibration based on grouping pipes with similar leakage and roughness estimates
Ainola, Leo; Koppel, Tiit; Tiiter, K.; Vassiljev, Anatoli Proceedings of ASCE's 2000 : Joint Conference on Water Resources Engineering and Water Resources Planning & Management 2000 / [9] p., [CD-ROM]
https://www.researchgate.net/publication/268593940_Water_Network_Model_Calibration_Based_on_Grouping_Pipes_with_Similar_Leakage_and_Roughness_Estimates

Вариационные принципы и законы взаимности для нестационарных задач течения жидкости в трубах
Ainola, Leo; Liiv, Uno Прогнозирование и регулирование качества воды и водоемов и исследование методов очистки природных и сточных вод 1978 / с. 53-62 https://www.ester.ee/record=b1499379*est <https://digikogu.taltech.ee/et/Item/0f942b52-ffe6-48f6-bb86-0ab5235b554c>

Волновые процессы деформации упругих плит и оболочек
Ainola, Leo; Nigul, Uno Eesti NSV Teaduste Akadeemia toimetised. Füüsika-matemaatika- ja tehnikateaduste seeria = Известия Академии наук Эстонской ССР. Серия физико-математических и технических наук 1965 / с. 3-63 : рис
https://www.ester.ee/record=b1264320*est <https://www.etera.ee/zoom/19651/view?page=1&p=separate&tool=info>

Гидравлика и пневматика
Reedik, Vello; Grossschmidt, Gunnar; Vanaveski, Jüri; Pais, Enno; Pahapill, Jaak; Ainola, Leo; Liiv, Uno; Ruustal, Endel; Kask, Endel; Koppel, Tiit; Lepp, Andres; Ruubel, R.; Sarv, Laur; Daniel, Eghert; Tiiman, Ago; Kõiv, Teet-Andrus 1987
https://www.ester.ee/record=b1317064*est

Импульсные течения несжимаемой жидкости в напорных трубах
Ainola, Leo; Liiv, Uno; Ruustal, Endel Гидроаэродинамика и динамика систем управления 1987 / с. 67-80

Интегральные соотношения и параметры течения при нестационарных движениях жидкост в цилиндрических трубах
Ainola, Leo; Koppel, Tiit; Liiv, Uno Шестой Всесоюзный съезд по теоретической и прикладной механике, Ташкент, 24-30 сентября 1986 г. : аннотация. докладов 1986 / с. 1-20

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

Исследование локальных скоростей при разгонном движении жидкости из состояния покоя в трубе

Ainola, Leo; Koppel, Tiit; Lamp, Jürgen; Liiv, Uno Прогнозирование и регулирование качества воды водоемов и исследование методов очистки природных и сточных вод 1980 / с. 35-45 : илл https://www.ester.ee/record=b1283634*est <https://digikogu.taltech.ee/et/Item/dcc66d6e-5806-4d18-869a-be4e1dcef643>

Исследование переходных процессов в сжимаемой жидкости в трубах с помощью численных методов

Ainola, Leo; Lamp, Jürgen; Sarv, Laur; Liiv, Uno Гидротехническое строительство : ежемесячный научно-технический журнал 1981 / с. 22-25 : рис https://www.ester.ee/record=b2136666*est

Исследование переходных процессов сжимаемой жидкости в трубах с помощью численных методов

Ainola, Leo; Lamp, Jürgen; Liiv, Uno; Sarv, Laur Всесоюзный симпозиум "Численные методы в гидравлике", г. Телави, 14.04-18.04.1980 : Тезисы сообщений 1980 / с. 100-103

Исследование переходных процессов сжимаемой жидкости в трубах с помощью численных методов

Ainola, Leo; Lamp, Jürgen; Sarv, Laur; Liiv, Uno Численные методы в гидравлике: тезисы докладов Всесоюзного симпозиума 1980 / с. [?]

К методам интегрирования уравнений неустановившегося движения жидкости в трубах

Ainola, Leo; Liiv, Uno Прогнозирование и регулирование качества воды и водоемов и исследование методов очистки природных и сточных вод 1978 / с. 63-72 https://www.ester.ee/record=b1499379*est <https://digikogu.taltech.ee/et/Item/0f942b52-ffe6-48f6-bb86-0ab5235b554c>

К обратной задаче о собственных колебаниях упругих оболочек

Ainola, Leo Прикладная математика и механика 1971 / с. 358-364 https://www.ester.ee/record=b1582396*est

К постановке обратной задачи о собственных колебаниях в общей теории упругих оболочек

Ainola, Leo Теория оболочек и пластин : [труды VIII Всесоюзной конференции по теории оболочек и пластин, Ростов-на-Дону, 1971] 1973 / с. 366-370 https://www.ester.ee/record=b2749835*est

Коэффициент трения при ускоренных течениях в трубах

Ainola, Leo; Liiv, Uno Неустановившиеся процессы в системах водоснабжения и водоотведения 1984 / с. 21-31 : ил https://www.ester.ee/record=b1515123*est <https://digikogu.taltech.ee/et/Item/7a3e5ec9-e368-48d8-8318-707fc169c3dd>

Математические модели для нестационарных течений в трубах

Ainola, Leo; Liiv, Uno Неустановившиеся процессы в системах водоснабжения и водоотведения 1985 / с. 85-94

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

О коэффициенте трения для ламинарных нестационарных течений в трубе

Ainola, Leo; Koppel, Tiit; Lamp, Jürgen; Liiv, Uno; Eensalu, Olav Неустановившиеся процессы в системах водоснабжения и водоотведения 1981 / с. 3-15 : илл https://www.ester.ee/record=b1319728*est <https://digikogu.taltech.ee/et/Item/a29e3511-a15e-4820-91bd-9a53eb726784>

О критериях перехода ламинарной формы течения в турбулентную при разгонном движении жидкости в круглой трубе

Ainola, Leo; Koppel, Tiit; Lamp, Jürgen; Liiv, Uno Неустановившиеся процессы в системах водоснабжения и водоотведения 1981 / с. 17-29 : илл https://www.ester.ee/record=b1319728*est <https://digikogu.taltech.ee/et/Item/a29e3511-a15e-4820-91bd-9a53eb726784>

О математических моделях исследования нестационарных течений жидкости в трубах

Ainola, Leo; Liiv, Uno Неустановившееся движение жидкости в трубах 1980 / с. 29-40 https://www.ester.ee/record=b1263941*est <https://digikogu.taltech.ee/et/Item/aeac2da9-cb51-4746-9dc3-c435104586eb>

Об учете сжимаемости при неустановившемся движении жидкости в трубах

Ainola, Leo; Liiv, Uno Прогнозирование и регулирование качества воды и водоемов и исследование методов очистки природных и сточных вод 1978 / с. 45-52 https://www.ester.ee/record=b1499379*est <https://digikogu.taltech.ee/et/Item/0f942b52-ffe6-48f6-bb86-0ab5235b554c>

Определение напряженного состояния упругой изотропной среды с включениями : автореферат ... кандидата физико-математических наук (01.02.04)

Kulmet, Reet 1989 http://www.ester.ee/record=b1258808*est

Определение напряженного состояния упругой изотропной среды с включениями : диссертация ... кандидата физико-математических наук : 01.02.04 - механика деформируемого твердого тела

Kulmet, Reet 1989 http://www.ester.ee/record=b2473395*est

Применение интегральной фотоупругости для определения остаточных напряжений в стекле
Aben, Hillar; Ainola, Leo; Anton, Johan Проблемы машиностроения и надежности машин 2003 / с. 37-44

Развитие течения на входном участке круглой трубы при разгонном движении жидкости
Ainola, Leo; Ruustal, Endel Неустановившиеся процессы в системах водоснабжения и водоотведения 1985 / с. 95-107

Разгонное движение несжимаемой жидкости вместе с цилиндрическим поплавком в цилиндрической трубе
Ainola, Leo; Liiv, Uno Гидроаэродинамика и динамика систем управления 1983 / с. 3-9 https://www.ester.ee/record=b1273193*est
<https://digikogu.taltech.ee/et/Item/6eddf5c2-8425-45ed-8c1b-1a000c6f681a>

Санитарная техника
Suurkask, Valdu; Mölder, Heino; Help, Kalju; Ütt, Jaanus; Blonskaja, Viktoria; Vostrikov, Valeri; Karu, Jaan; Koppel, Tiit; Sarv, Laur; Tiiman, Ago; Säärekönnö, Jüri; Kirt, Enno; Kõiv, Teet-Andrus; Kask, Endel; Aitsam, Alar; Daniel, Eghert; Sarv, Laur; Ainola, Leo; Liiv, Uno 1988 https://www.ester.ee/record=b1223647*est

Санитарная техника
Tibar, Harri; Veski, A.; Karu, Jaan; Suurkask, Valdu; Hääl, Maire-Liis; Säärekönnö, Jüri; Bomze, Z.; Munter, Rein; Kamenev, Sven; Preis, Sergei; Siirde, Enno; Hudak, V.I.; Pikkov, Lui; Kask, Endel; Koppel, Tiit; Ruubel, R.; Daniel, Eghert; Liiv, Uno; Sarv, Laur; Ainola, Leo; Ruustal, Endel; Koppel, Tiit; Toomet, Madis 1985 https://www.ester.ee/record=b1255730*est

Спектральный анализ ускоренного турбулентного движения жидкости в трубопроводах
Ainola, Leo; Koppel, Tiit; Lamp, Jürgen; Liiv, Uno Неустановившееся движение жидкости в трубах 1980 / с. 3-15 : илл https://www.ester.ee/record=b1263941*est <https://digikogu.taltech.ee/et/Item/aeac2da9-cb51-4746-9dc3-c435104586eb>

Теоретическое исследование неустановившегося движения жидкости в круглых трубах при помощи диссипативной модели
Ainola, Leo; Lamp, Jürgen; Liiv, Uno; Sarv, Laur Прогнозирование и регулирование качества воды водоемов и исследование методов очистки природных и сточных вод 1980 / с. 25-34 : илл https://www.ester.ee/record=b1283634*est
<https://digikogu.taltech.ee/et/Item/dcc66d6e-5806-4d18-869a-be4e1dcef643>

Уравнения движения возмущений ламинарного нестационарного течения сжимаемой жидкости в цилиндрической трубе
Ainola, Leo; Koppel, Tiit Неустановившиеся процессы в системах водоснабжения и водоотведения 1983 / с. 37-45
https://www.ester.ee/record=b1288813*est <https://digikogu.taltech.ee/et/Item/8421bbec-80f9-4a7b-bbfa-deb3bcbf3a68>