

A quasi-static approach to optimize the motion of an UGV depending on the track profile

Corral, Eduardo; **Arjassov, Gennadi**; Meneses, Jesus The 9th International Conference Mechatronics Systems and Materials : MSM-2013 : abstracts 2013 / p. 41-42 : ill

An alternative approach to solving of the inverse kinematics

Zhigailov, Sergei; Arjassov, Gennadi 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 2012 / p. 164-165 : ill

Ansätze zu einer expansionistischen Kinematik

Nuut, Jüri 1935 https://www.ester.ee/record=b1708320*est

A bayesian estimation of the Milky Way's circular velocity curve using Gaia DR3

Pöder, Sven; Benito, María; Pata, Joosep; Kipper, Rain; Ramler, Heleri; Hütsi, Gert; Kolka, Indrek; Thomas, Guillaume F. Astronomy and Astrophysics 2023 / art. A134 <https://doi.org/10.1051/0004-6361/202346474> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Control of pick-and-place robots with reduced power consumption

Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 4 p <https://doi.org/10.1109/RTUCON60080.2023.10413180>

Experimental and analytical modelling study of water-front dynamics of two-phase unsteady flows in a large-scale pressurized pipeline

Laanearu, Janek; Hou, Qingzhi; Tijsseling, Arris S. Papers presented at 12th International Conference on Pressure Surges : Dublin, Ireland : 18-20 November 2015 2015 / p. 625-637 : ill

Experimental and analytical study of the air-water interface kinematics during filling and emptying of a horizontal pipeline

Laanearu, Janek; Hou, Qingzhi; Tijsseling, Arris S. 12th International Conference on Pressure Surges : Dublin, Ireland, 18-20 November 2015 2015 / p. 625-637 : ill

Forward and backward walking : multifactorial characterization of gait parameters

Donno, Lucia; **Monoli, Cecilia**; Frigo, Carlo Albino; Galli, Manuela Sensors 2023 / art. 4671 <https://doi.org/10.3390/s23104671> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Füüsika näidisülesandeid gümnaasiumile : mehaanika

Loide, Rein-Karl 2005 https://www.ester.ee/record=b2109358*est

Improving area coverage by reversible object pushing

Gavšin, Juri; Kruusmaa, Maarja The 15th International Conference on Advanced Robotics : Tallinn, Estonia, June 20-23, 2011 2011 / p. 415-420 : ill <https://ieeexplore.ieee.org/document/6088579>

Industrial robot training in the simulation using the machine learning agent

Nutonen, Karle; Kuts, Vladimir; Otto, Tauno Procedia computer science 2023 / p. 446-455 <https://doi.org/10.1016/j.procs.2022.12.240> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Insenerimehaanika harjutusülesanded

Topnik, Endel 2001 http://www.ester.ee/record=b1552310*est

Insenerimehaanika põhivara

Topnik, Endel 1998 https://www.ester.ee/record=b1207260*est

Insenerimehaanika ülesannetest. 2

Topnik, Endel 2001 https://www.ester.ee/record=b1583474*est

Interpretable quantitative description of the digital clock drawing test for Parkinson's disease modelling

Nõmm, Sven; Mašarov, Ilja; Toomela, Aaro; Medijainen, Kadri; Taba, Pille 15th International Conference on Control, Automation, Robotics and Vision (ICARCV 2018) : Singapore, November 18-21, 2018 2018 / p. 1839-1844 : ill <https://doi.org/10.1109/ICARCV.2018.8581074>

Kinemaatika ja dünaamika põhijooni

Nuut, Jüri 1940 https://www.ester.ee/record=b1540997*est

Kinemaatika tüüpülesannete kogu

1974 https://www.ester.ee/record=b1300476*est

Kinematic parameters of internal waves of the second mode in the South China Sea

Kurkina, Oxana; Talipova, Tatyana; **Soomere, Tarmo**; Giniyatullin, Ayrat; Kurkin, Andrey Nonlinear processes in geophysics 2017 / p. 645-660 : ill <https://doi.org/10.5194/npg-24-645-2017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Kinematics and dynamics of configurable wheel-leg

Sell, Raivo; Arjassov, Gennadi; Petritšenko, Andres; Kaeeli, Mati Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1 2012 / p. 345-350 : ill

Kinematics of biomechanical human joint rehabilitation device and the impact on the treatment efficiency

Ajaots, Mairo; Tamre, Mart OST-96 Symposium on Machine Design, [Stockholm], May 13-14, 1996 : program, abstracts 1996 / [1] p

Kinematics of biomechanical human joint rehabilitation device and the impact on the treatment efficiency

Ajaots, Mairo; Tamre, Mart OST-96 Symposium on Machine Design, [Stockholm], May 13-14, 1996 : proceedings 1996 / p. 101-107: ill https://www.ester.ee/record=b1033950*est

Land and underwater gait analysis using wearable IMU

Monoli, Cecilia; Fuentez-Perez, Juan Francisco; Cau, Nicola; Capodaglio, Paolo; Galli, Manuela; **Tuhtan, Jeffrey Andrew** IEEE sensors journal 2021 / p. 11192-11202 <https://doi.org/10.1109/JSEN.2021.3061623> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mehaanika alused. Staatika. Kinemaatika : õpik kõrgkoolidele

Kenk, Kalju; Kirs, Jüri 2013 https://www.ester.ee/record=b2941540*est <https://digikogu.taltech.ee/et/Item/4aa233e6-0f8b-4461-8285-f4fe02d4edc7>

Mehhanismide ja masinate teooria : laboratoorsed tööd

1987 https://www.ester.ee/record=b1225943*est

Method and installation for studying hard-particle kinematics at impact

Kleis, Ilmar; Frishman, Feliks; Pappel, Toivo OST-95 Symposium on Machine Design : proceedings, Oulu, Finland, May 18-19, 1995 1995 / p. 15-22: ill https://www.ester.ee/record=b1033949*est

A model-based adaptive control of turning maneuver for catamaran autonomous surface vessel

Astrov, Igor; Astrova, Irina WSEAS Transactions on Systems and Control 2024 / p. 135-142 <https://doi.org/10.37394/23203.2024.19.14> [Journal metrics at Scopus](#) [Article at Scopus](#)

Modeling of the human lower-limb motion, design and control of knee joint orthosis

Musalimov, Victor; Monahov, Yury; **Tamre, Mart; Rõbak, Dmitri; Sivitski, Alina; Aryassov, Gennady; Penkov, Igor** International review on modelling and simulations (IREMOS) 2017 / p. 371-376 <https://doi.org/10.15866/iremos.v10i5.11853> [Journal metrics at Scopus](#) [Article at Scopus](#)

Quantum kinematics of a test particle in a curved spacetime

Kuusk, Piret; Örd, Jüri; **Paal, Eugen** Class. Quantum Grav 1997 / p. 2917-2926

A quasi-static approach to optimize the motion of an UGV depending on the track profile

Corral, Eduardo; **Arjassov, Gennadi**; Meneses, Jesus Mechatronic systems and materials VI 2015 / p. 774-780 <https://doi.org/10.4028/www.scientific.net/SSP.220-221.774> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Shipborne GNSS acquisition of sea surface heights in the Baltic Sea

Liibus, Aive; **Varbla, Sander; Ellmann, Artu; Vahter, Kaimo; Uiboupin, Rivo; Delpeche-Ellmann, Nicole Camille** Journal of geodetic science 2022 / 21 p. : ill., map <https://doi.org/10.1515/jogs-2022-0131> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sisepõlemismootorid

Ivand, Jaan 1954 https://www.ester.ee/record=b1284075*est

Smartphone-based microkinematic feature analysis for mental fatigue detection using machine learning

Valla, Elli; Väli, Lilian; Nõmm, Sven; Toomela, Aaro Cognition, Technology & Work 2025 / 32 p. : ill <https://doi.org/10.21203/rs.3.rs-6601096/v1>

Solution of plane inverse kinematics in case of limited height of space

Žigailov, Sergei; Arjassov, Gennadi 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II" : Pärnu, Estonia, January 13-18, 2014 2014 / p. 272-273 : ill

Teilchenkinematik in Zerkleinerungs- und Klassiermaschinen

Kleis, Ilmar; Pappel, Toivo; Frishman, Feliks XLVI. Berg- und Hüttenmännischer Tag vom 14. bis 17. Juni 1995 : abstracts 1995 / S. 149: III

Teoreetiline mehaanika

Topnik, Endel 1994 https://www.ester.ee/record=b1066934*est

Teoreetiline mehaanika

Silde, Oskar; Relvik, Heino Masinaehitaja käsiraamat. 1. kd 1968 / lk. 109-148 https://www.ester.ee/record=b1298495*est

Teoreetiline mehaanika : staatika ja kinemaatika

Butenin, Nikolai; Lunts, Jakov; Merkin, David 1983 https://www.ester.ee/record=b1241327*est

Teoreetiline mehaanika : [õpik kõrgemate tehniliste õppeasutuste üliõpilastele]

Targ, Semjon 1966 https://www.ester.ee/record=b1254471*est

Teoreetilise mehaanika ülesannetest

Topnik, Endel 1993 https://www.ester.ee/record=b2687978*est

Teoreetilise mehaanika ülesannetest

Topnik, Endel; Kirs, Jüri 1991 https://www.ester.ee/record=b1189361*est

Trajectory generation for autonomous vehicles

Vu, Trieu Minh Mechatronics 2013 : recent technological and scientific advances 2014 / p. 615-626 : ill

Valikvastustega ülesandeid teoreetilisest mehaanikast

1988 https://www.ester.ee/record=b1229562*est

Viscosity of SHC process shale oil binary blends

Mölder, Leevi; Loit, M.; Tamvelius, Hindrek; Tiikma, Laine Oil shale 1999 / 4, p. 359-368: ill
https://artiklid.elnet.ee/record=b1002754*est

Õpetajaraamat

Susman, Katarina; Dolenc, Saša; Pavlin, Jerneja; Marcek-Chorvatova, Alžbeta; Vareckova, Lubica; Pavlendova, Gabriela; Mürsepp, Peeter; Lucache, Dorin-Dumitru; Haba, Cristian-Gyöző; Cantarella, Marco; Ursino, Giuseppe Fabio; Simonpoulou, Margarita; Ladas, Giannis 2023 https://www.ester.ee/record=b5568849*est
<https://drive.google.com/drive/folders/1yDe3KnBOZl4ybjiMOKCdIOlao9W4uTOB>

Õpperaamat

Pavlendova, Gabriela; Šujanova, Jana; Hyder-Šujanova, Paulina; Marcek Chorvatova, Alžbeta; Dolens, Saša; Pavlin, Jerneja; Susman, Katarina; Mürsepp, Peeter; Haba, Cristian-Gyöző; Lucache, Dorin-Dumitru; Cantarella, Marco; Ursino, Giuseppe Fabio; Simonpoulou, Margarita; Ladas, Giannis 2023 https://www.ester.ee/record=b5568848*est
<https://drive.google.com/drive/folders/1yDe3KnBOZl4ybjiMOKCdIOlao9W4uTOB>

Алгоритм решения обратной кинематической задачи для промышленного робота "Гранат-10"

Кукаренко Е.П.; Пашкевич А.П.; Корзун А.Н. Тезисы докладов семинара "Новые направления научных исследований в области электромеханики" 1991 / с. 63-64

Графический анализ кинематики независимых подвесок гоночных автомобилей с качанием колеса в поперечной плоскости на двух поперечных рычагах неравной длины

Strauss, J.; Keel, K. 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). Электротехника и энергетика 1970 / с. 100 https://www.ester.ee/record=b1379483*est

К решению задач по курсу теоретической механики

Topnik, Endel 1986 https://www.ester.ee/record=b1316016*est

Кинематика абразивных частиц в испытательной установке ЦУК-Д

Pappel, Toivo Tallinna Tehnikaülikooli Toimetised 1991 / lk. 25-29: ill

Кинематика зубчатых шаговых механизмов в фазах кромочного зацепления

Hendre, Enn; Gantšev, S.; Parušov, P. Известия высших учебных заведений. Приборостроение 1977 / с. 102-106
https://www.ester.ee/record=b3249125*est

Кинематика и динамика машины Голубева

Титов О.В.; Шимановский О.В.; Ламбина, Елена; Имашева, Нина 35 научная конференция студентов вузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы : [Таллинн, 1991] : доклады. Секция САПР в машиностроении [и др.] 1991 / с. 55-56: ил

Кинематика исходных механизмов периодического поворота с неполнозубыми коническими колесами

Hendre, Enn Сборник статей по машиностроению. 9 1972 / с. 61-68 : илл https://www.ester.ee/record=b2190570*est
<https://digikogu.taltech.ee/et/Item/3aab34ef-a920-43ae-9a14-2c99ba3caad2>

Кинематика процесса ротационного обжатия

Papstel, Jüri Сборник статей по машиностроению. 4 1968 / с. 55-71 : илл https://www.ester.ee/record=b2182189*est
<https://digikogu.taltech.ee/et/Item/00c01796-9bff-463f-93ce-7709f05eda54>

Кинематика точки в криволинейных координатах

Raidalu, E.; Topnik, Endel 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

Кинематические схемы универсальных металлорежущих станков

1975 https://www.ester.ee/record=b1314297*est

Кинематические схемы универсальных металлорежущих станков : пояснительный текст к схемам

1975 https://www.ester.ee/record=b1314310*est

Кинематический анализ аксиально-поршневых машин с наклонной шайбой

Porõvaje, Juri; Ingerma, August Сборник статей по машиностроению. 6 1969 / с. 61-73 : илл
https://www.ester.ee/record=b2189938*est <https://digikogu.taltech.ee/et/Item/7c2237f6-7ac4-4e7d-b672-5cf392f9ffdf/>

Теоретическая механика

Topnik, Endel 1987 https://www.ester.ee/record=b1272497*est