

### **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](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](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](http://www.ester.ee/record=b1552310*est)

### **Insenerimehaanika põhivara**

**Topnik, Endel** 1998 [https://www.ester.ee/record=b1207260\\*est](https://www.ester.ee/record=b1207260*est)

### **Insenerimehaanika ülesannetest. 2**

**Topnik, Endel** 2001 [https://www.ester.ee/record=b1583474\\*est](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](https://www.ester.ee/record=b1540997*est)

### **Kinemaatika tüüpülesannete kogu**

1974 [https://www.ester.ee/record=b1300476\\*est](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, Maido; 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, Maido; 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](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://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](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](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

### **Shipborne GNSS acquisition of sea surface heights in the Baltic Sea**

Liibusk, 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](https://www.ester.ee/record=b1284075*est)

### **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. III" : Pärnu, Estonia, January 13-18, 2014 2014 / p. 272-273 : ill

### **Teoreetiline mehaanika**

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

### **Teoreetiline mehaanika**

**Topnik, Endel** 1994 [https://www.ester.ee/record=b1066934\\*est](https://www.ester.ee/record=b1066934*est)

### **Teoreetiline mehaanika : staatika ja kinemaatika**

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

## **Teoreetiline mehaanika : [õpik kõrgemate tehniliste õppeasutuste üliõpilastele]**

Targ, Semjon 1966 [https://www.ester.ee/record=b1254471\\*est](https://www.ester.ee/record=b1254471*est)

## **Teoreetilise mehaanika ülesannetest**

Topnik, Endel 1993 [https://www.ester.ee/record=b2687978\\*est](https://www.ester.ee/record=b2687978*est)

## **Teoreetilise mehaanika ülesannetest**

Topnik, Endel; Kirs, Jüri 1991 [https://www.ester.ee/record=b1189361\\*est](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](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](https://artiklid.elnet.ee/record=b1002754*est)

## **Õpetajaraamat : Mis on Füüsika?**

Susman, Katarina; Dolenc, Saša; Pavlin, Jerneja; Marcek-Chorvatova, Alžbeta; Vareckova, Lubica; Pavlendova, Gabriela;

Müürsepp, Peeter; Lucache, Dorin-Dumitru; Haba, Cristian-Gyöző; Cantarella, Marco; Ursino, Giuseppe Fabio; Simonpoulou, Margarita; Ladas, Giannis 2023

## **Õpperaamat : Mis on füüsika?**

Pavlendova, Gabriela; Šujanova, Jana; Hyder-Šujanova, Paulina; Marcek Chorvatova, Alžbeta; Dolens, Saša; Pavlin, Jerneja;

Susman, Katarina; Müürsepp, 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://www.ester.ee/record=b5568848*est)

## **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 студентская 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](https://www.ester.ee/record=b1379483*est)

## **К решению задач по курсу теоретической механики**

Topnik, Endel 1986 [https://www.ester.ee/record=b1316016\\*est](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.; Parušev, P. Известия высших учебных заведений. Приборостроение 1977 / с. 102-106

[https://www.ester.ee/record=b3249125\\*est](https://www.ester.ee/record=b3249125*est)

## **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://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://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 студентская 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](https://www.ester.ee/record=b1379468*est)

## **Кинематические схемы универсальных металлорежущих станков**

1975 [https://www.ester.ee/record=b1314297\\*est](https://www.ester.ee/record=b1314297*est)

## **Кинематические схемы универсальных металлорежущих станков : пояснительный текст к схемам**

1975 [https://www.ester.ee/record=b1314310\\*est](https://www.ester.ee/record=b1314310*est)

**Кинематический анализ аксиально-поршневых машин с наклонной шайбой**

**Porõvajev, Juri; Ingerma, August** Сборник статей по машиностроению. 6 1969 / с. 61-73 : илл

[https://www.ester.ee/record=b2189938\\*est](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](https://www.ester.ee/record=b1272497*est)