

Akadeemik Aleksander Poleštšuk : (1863-1944)

2022 https://www.ester.ee/record=b5564083*est

An attempt for an Amazon geoid model using Helmert gravity anomaly

Blitzkow, D.; Matos, A.C.O.C.de; Campos, I.O.; **Ellmann, Artu**; Vanicek, P.; Santos, M.C. Observing our changing Earth : proceedings of the 2007 IAG General Assembly : Perugia, Italy, July 2-13, 2007 2009 / p. 187-194 : ill
https://www.researchgate.net/publication/226489398_An_Attempt_for_an_Amazon_Geoid_Model_Using_Helmert_Gravity_Anomaly

Ansätze zu einer expansionistischen Kinematik

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

Astanguliste pinnavormide mõjust Maa raskuskiirenduse väljale Põhja-Eesti klintranniku näitel

Talvik, Silja; **Ellmann, Artu**; Oja, Tõnis Geodeet 2012 / lk. 10-18 : ill

Dense gravity currents in rotating, up-sloping and converging channel

Cuthbertson, Alan; Davies, Peter; **Laanearu, Janek**; Wahlin, Anna Proceedings of VII International Symposium on Stratified Flows (ISSF2011), 22nd-26th of August, Rome, Italy 2011
https://www.researchgate.net/publication/283792789_Dense_Gravity_Currents_in_a_Rotating_Up-sloping_Converging_Channel

Donward continuation of airborne gravity data [Electronic resource]

Ellmann, Artu Geophysical research abstracts 2010 / p. EGU2010-9449 [CD-ROM]

Evaluation results of the Earth gravitational model EGM08 over the Baltic countries

Ellmann, Artu; Kaminskis, J.; Parseliunas, E.; Jürgenson, Harli; Oja, Tõnis Newton's bulletin 2009 / 4, External quality evaluation reports of EGM08, p. 110-121 : ill

Far-zone contributions to the gravity field quantities by means of Molodensky's truncation coefficients

Tenzer, Robert; Novak, Pavel; Prutkin, Ilya; **Ellmann, Artu**; Vajda, Peter Studia geophysica et geodaetica 2009 / p. 157-167 : ill
<https://link.springer.com/article/10.1007/s11200-009-0010-1>

Geodesic multiplication and geodesic translations as a generalization of Poincare shifts

Kuusk, Piret; Örd, Jüri; **Paal, Eugen** 15th International Conference on General Relativity and Gravitation, Pune, India, 16.-21. December 1997 : abstracts 1998 / [1] p

Geodesic multiplication and the theory of gravity

Kuusk, Piret; Örd, Jüri; **Paal, Eugen** Journal of mathematical physics 1994 / 1, p. 321-334

Geoid modeling by the least squares modification of Hotine's and Stokes' formulae using non-gridded gravity data

Sakil, Fatima Feyza; Erol, Serdar; **Ellmann, Artu**; Erol, Bihter Computers & geosciences 2021 / art. 104909
<https://doi.org/10.1016/j.cageo.2021.104909> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Global ellipsoid-referenced topographic, bathymetric and stripping corrections to gravity disturbance

Vajda, Peter; **Ellmann, Artu**; Meurers, B.; Vanicek, P.; Novak, Pavel; Tenzer, Robert Studia geophysica et geodaetica 2008 / 1, p. 19-34 <https://link.springer.com/article/10.1007/s11200-008-0003-5>

Gravity disturbances in regions of negative heights : a reference quasi-ellipsoid approach

Vajda, Peter; **Ellmann, Artu**; Meurers, B.; Vanicek, P.; Novak, Pavel; Tenzer, Robert Studia geophysica et geodaetica 2008 / 1, p. 35-52 : ill <https://link.springer.com/article/10.1007/s11200-008-0004-4>

Gravity surveys on large icecovered lakes in Estonia [Electronic resource]

Oja, Tõnis; Ellmann, Artu; Bloom, Ahti; Gruno, Anti Geophysical research abstracts 2010 / p. EGU2010-13761 [CD-ROM]

Harmonic continuation and gravimetric inversion of gravity in areas of negative geodetic heights

Vajda, Peter; **Ellmann, Artu**; Meurers, B.; Vanicek, P.; Novak, Pavel; Tenzer, Robert Gravity, Geoid and Earth Observation : IAG Commission 2: Gravity Field, Chania, Crete, Greece, 23-27 June 2008 2010 / p. 25-30 : ill
https://www.researchgate.net/publication/251105369_Harmonic_Continuation_and_Gravimetric_Inversion_of_Gravity_in_Areas_of_Negative_Geodetic_Heights

Improving the terrestrial gravity dataset in South-Estonia [Electronic resource]

Oja, Tõnis; Gruno, Anti; Bloom, Ahti; Mäekivi, E.; **Ellmann, Artu**; All, Tarmo; Jürgenson, Harli; Michelson, M. Geophysical research abstracts 2009 / p. EGU2009-10997 [CD-ROM]

The influence of bathymetry on regional marine geoid modeling in Northern Europe

Varbla, Sander Journal of Marine Science and Engineering 2022 / art. 793, 25 p. : ill <https://doi.org/10.3390/jmse10060793> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of the gravitational attraction of terraced landforms to precise levelling results

Talvik, Silja The Council of European Geodetic Surveyors (CLGE) Students Contest 2012 / [8] p.: ill https://www.clge.eu/wp-content/uploads/2012/05/CLGE-SC2012_Talvik.ESTONIA_Influence-of-the-gravitational-attraction-of-terraced-landforms-to-precise-levelling-results.pdf

Insights on the tectonic styles across Estonia using satellite potential fields derived from WGM-2012 gravity data and EMAG2 magnetic data

Solano-Acosta, Juan David; Soesoo, Alvar; Hints, Rutt EGU General Assembly 2022 2022 / EGU22-11398
<https://doi.org/10.5194/egusphere-egu22-11398>

Interrelation between the geoid and orthometric heights

Ellmann, Artu; Vanicek, P.; Santos, M.; Kingdon, R. Harita dergisi 2007 / June, Special issue 18, Proceedings of the 1st International Symposium of the International Gravity Field Service "Gravity Field of the Earth" : 28 August - 1 September, 2006, Istanbul, Turkey, p. 130-135

Lensing of gravitational waves as a probe of compact dark matter

Urrutia Perez, Juan; Vaskonen, Ville Monthly notices of the royal astronomical society 2022 / p. 1358-1365 : ill
<https://doi.org/10.1093/mnras/stab3118>

Maa raskuskiirenduse välja mõjust täppisnivelleerimise tulemustele klintastangu näitel

Talvik, Silja; Ellmann, Artu; Oja, Tõnis Geodeet 2012 / lk. 19-22 : ill

Modified Stokes's formula for regional geoid modeling : deterministic and stochastic modifications of Stokes's formula for computing an improved geoid model over the Baltic Countries

Ellmann, Artu 2009 https://www.ester.ee/record=b2616287*est

New insights of the crustal structure across Estonia using satellite potential fields derived from WGM-2012 gravity data and EMAG2v3 magnetic data

Solano-Acosta, Juan David; Soesoo, Alvar; Hints, Rutt Tectonophysics 2023 / art. 229656, 27 p. : ill
<https://doi.org/10.1016/j.tecto.2022.229656> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical modeling of a two-dimensional vertical turbulent two-phase jet

Kartušinski, Aleksander; Michaelides, Efstathios; Rudi, Ülo; Tisler, Sergei; Štšeglov, Igor Fluid dynamics 2012 / p. 769-777 : ill
<https://link.springer.com/article/10.1134/S0015462812060099>

Numerical modelling of the bottom gravity current in an obstructed channel with trapezoidal cross-section

Laanearu, Janek; Kaur, Katrin; Malcangio, Daniela; Cuthbertson, Alan; Adduce, Claudia; De Falco, Maria Chiara; Negretti, Eletta; Sommeria, Joel 6th IAHR Europe Congress, Warsaw, Poland : abstract book 2021 / p. 247-248 <https://iahr2020.pl/wp-content/uploads/2021/02/Book-of-Abstracts-15-02-2021.pdf>

On ambiguities in definitions and applications of Bouguer gravity anomaly

Vajda, Peter; Vanicek, P.; Novak, Paul; Tenzer, Robert; Ellmann, Artu; Meurers, B. Gravity, Geoid and Earth Observation : IAG Commission 2: Gravity Field, Chania, Crete, Greece, 23-27 June 2008 2010 / p. 19-24 : ill https://link.springer.com/chapter/10.1007/978-3-642-10634-7_3

On evaluation of the mean gravity gradient within the topography

Tenzer, Robert; Ellmann, Artu Observing our changing Earth : proceedings of the 2007 IAG General Assembly : Perugia, Italy, July 2-13, 2007 2009 / p. 253-261 : ill
https://www.researchgate.net/publication/226879587_On_Evaluation_of_the_Mean_Gravity_Gradient_Within_the_Topography

On the possibility of convective overturning in the Słupsk Furrow overflow of the Baltic Sea

Zhubas, Victor; Elken, Jüri; Paka, Vadim; Piechura, Jan; Chubarenko, Irina; Väli, Garmo; Golenko, Nikolay; Shchuka, Sergey Oceanologia 2011 / p. 771-791 : ill <https://www.sciencedirect.com/science/article/pii/S0078323411500235>

Operadic deformation as a tool for cogravity

Paal, Eugen Abstracts of 11th International Colloquium "Quantum groups and Integrable Systems" 2002 / ? p
<https://link.springer.com/article/10.1023/A:1021397306799>

Operadic deformations as a tool for cogravity

Paal, Eugen Czechoslovak journal of physics 2002 / 11, p. 1277-1282 <https://link.springer.com/article/10.1023/A:1021397306799>

Ortalama gravite anomalilerinin enterpolasyonunda basit ve tamamlanmış Bouguer yaklaşımının karşılaştırılması

Abbak, Ramazan Alpay; Üstün, Aydın; Ellmann, Artu Journal of geodesy and geoinformation = Jeodezi ve jeoinformasyon dergisi 2012 / p. 45-52 : ill <https://dergipark.org.tr/tr/pub/hkmojd/issue/53154/704803>

Palatini F (R, X) : a new framework for inflationary attractors

Dioguardi, Christian; Racioppi, Antonio arXiv.org 2023 / 6 p. : ill <https://doi.org/10.48550/arXiv.2307.02963>

Palatini F(R,X): a new framework for inflationary attractors

Dioguardi, Christian; Racioppi, Antonio Physics of the Dark Universe 2024 / art. 101509, 8 p. : ill

<https://doi.org/10.1016/j.dark.2024.101509> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance of the Earth Gravitational Model EGM08 over the Baltic countries [Electronic resource]

Ellmann, Artu; Kaminskis, J.; Parseliunas, E.; Jürgenson, Harli; Oja, Tõnis Geophysical research abstracts 2009 / p. EGU2009-9507 [CD-ROM]

https://www.researchgate.net/publication/252195364_Performance_of_the_Earth_Gravitational_Model_EGM08_over_the_Baltic_countries

Possibilities of using Estonian gravity data

Sildvee, Heldur GIS-Baltic Sea States '93 : exhibition, conference, Tallinn, Estonia, 29 November - 1 December 1993 : abstract book, catalogue 1993 / p. 76

Precise gravity surveys in South Estonia from 2009 to 2010

Türk, Kristina; Sulaoja, Margis; Oja, Tõnis; **Ellmann, Artu**; Jürgenson, Harli The 8th International Conference Environmental Engineering : May 19-20, 2011, Vilnius, Lithuania : selected papers. Volume III 2011 / p. 1499-1505 : ill

Regional geoid computation by least squares modified Hotine's formula with additive corrections

Märdla, Silja; **Ellmann, Artu**; Agren, Jonas; Sjöberg, Lars E. IAG-IASPEI 2017 : Joint Scientific Assembly of the International Association of Geodesy (IAG) and International Association of Seismology and Physics of the Earth's Interior (IASPEI) : Kobe (Japan), July 30 - August 4, 2017 : abstract book 2017 / p. [83] http://www.iag-iaspei-2017.jp/files/IAG-IASPEI2017_abstracts.pdf

Regional geoid computation by least squares modified Hotine's formula with additive corrections

Märdla, Silja; **Ellmann, Artu**; Agren, Jonas; Sjöberg, Lars E. Journal of geodesy 2018 / p. 253-270 : ill <https://doi.org/10.1007/s00190-017-1061-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Regional geoid modelling by the least squares modified Hotine formula using gridded gravity disturbances = Piirkondlik geoidi modelleerimine vähimruutude meetodil modifitseeritud Hotine valemiga kasutades võrgustatud raskuskiirenduse hälbeid

Märdla, Silja 2017 <https://digi.lib.ttu.ee/i/29130> https://www.ester.ee/record=b4749552*est

Relative gravity surveys on ice-covered water bodies

Oja, Tõnis; Türk, Kristina; **Ellmann, Artu**; Gruno, Anti; Bloom, Ahti; Sulaoja, Margis The 8th International Conference Environmental Engineering : May 19-20, 2011, Vilnius, Lithuania : selected papers. Volume III 2011 / p. 1394-1401 : ill

Seasonality of submesoscale coherent vortices in the Northern Baltic Proper : a model study

Väli, Germa; Zhurbas, Victor Фундаментальная и прикладная гидрофизика 2021 / p. 122-129

<https://doi.org/10.7868/S2073667321030114> [Journal metrics at Scopus](#) [Article at Scopus](#)

Secondary indirect effects in gravity anomaly data inversion or interpretation

Vajda, Peter; Vanicek, P.; Novak, Pavel; Tenzer, Robert; **Ellmann, Artu** Journal of geophysical research 2007 / p. B06411 [11] p. : ill

Slow-roll inflation in Palatini F(R) gravity

Dioguardi, Christian; Racioppi, Antonio; Tomberg, Eemeli Journal of high energy physics 2022 / art. 106, 20 p. : ill

[https://doi.org/10.1007/JHEP06\(2022\)106](https://doi.org/10.1007/JHEP06(2022)106) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Some applications of geodesic loops and nonlinear geometric algebra in the theory of gravity

Kuusk, Piret; **Paal, Eugen** Acta applicandae mathematicae 1998 / p. 67-76

A spectral modelling of the gravitational contribution of the far-zone topography

Tenzer, Robert; Abdalla, Ahmed; Novak, Pavel; Vajda, Peter; **Ellmann, Artu** Geophysical research abstracts 2011 / p. EGU2011-9674

TalTechi IT-teadlased hakkavad uurima luude tervist mikrogravitatsioonis

mu.ee 2024 [TalTechi IT-teadlased hakkavad uurima luude tervist mikrogravitatsioonis](#) [IT-teadlased hakkavad uurima luude tervist mikrogravitatsioonis](#)

Tampere vähendati raskusjõudu

Krustok, Jüri Eesti Päevaleht 1996 / 25. nov., lk. 6: ill

The 5 mm geoid model for Estonia computed by the least squares modified Stokes's formula

Ellmann, Artu; **Märdla, Silja**; Oja, Tõnis Survey review 2020 / p. 352-372 : ill <https://doi.org/10.1080/00396265.2019.1583848> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The analysis of the results of the repeated gravity measurements done in Estonia in 1977 and in 1998

The behaviour of dense gravity currents in a rotating channel with converging topography

Cuthbertson, Alan; **Laanearu, Janek**; Davies, Peter; Wahlin, Anna Proceedings of the HYDRALAB III Joint Transnational Access User Meeting : Hannover, February 2010 2010 / p. 155-158 : ill
https://www.academia.edu/74207598/The_behaviour_of_dense_gravity_currents_in_a_rotating_channel_with_converging_topography

The Earth's gravity field components of the differences between gravity disturbances and gravity anomalies

Tenzer, Robert; **Ellmann, Artu**; Novak, Pavel; Vajda, Peter Observing our changing Earth : proceedings of the 2007 IAG General Assembly : Perugia, Italy, July 2-13, 2007 2009 / p. 155-159 : ill https://link.springer.com/chapter/10.1007/978-3-540-85426-5_18

The relation between the rigorous and Helmert's definitions of orthometric heights

Santos, M.C.; Vanicek, P.; Featherstone, W.E.; Kingdon, R.; **Ellmann, Artu**; Martin, B.-A.; Kuhn, M.; Tenzer, Robert Journal of geodesy 2006 / 12, p. 691-704 <https://gge.ext.unb.ca/Personnel/Santos/JGon-line.pdf>

Täielik kosmos! TalTechi teadlased osalevad murrangulises terviseprojektis

digi.geenius.ee 2024 [Täielik kosmos! TalTechi teadlased osalevad murrangulises terviseprojektis](https://digi.geenius.ee/taielik-kosmos-taltech-teadlased-osalevad-murrangulises-terviseprojektis)

Validation of the new Earth gravitational model EGM08 over the Baltic countries

Ellmann, Artu Gravity, Geoid and Earth Observation : IAG Commission 2: Gravity Field, Chania, Crete, Greece, 23-27 June 2008 2010 / p. 489-496 https://link.springer.com/chapter/10.1007/978-3-642-10634-7_65

Vehicle steering dynamic calculation and simulation

Vu, Trieu Minh Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium : Intelligent Manufacturing & Automation 2012 / p. 0237-0242 : ill [CD-ROM]
https://www.researchgate.net/publication/259632108_VEHICLE_STEERING_DYNAMIC_CALCULATION_AND_SIMULATION

Visioon looduse ainuväljast

Järvik, Jaan 2024 https://www.ester.ee/record=b5672455*est

Измерение ускорения силы тяжести оригинальным маятником Гольбек-Леже

Muischneek, Herbert Научная сессия 1947/48 уч. года : тезисы докладов 1948 / с. 5-6 https://www.ester.ee/record=b1749673*est

Фундаментальные взаимодействия : [сборник статей]

1987 https://www.ester.ee/record=b1590575*est