

Applicability of limiting phase angle temperatures for measuring the low temperature performance and aging of asphalt binders = Piiravate faasinurga temperatuuride rakendatavus bituumenite madala temperatuuri ja vananemiselase toimivuse mõõtmiseks

Lill, Kristjan 2024 https://www.ester.ee/record=b5712446*est <https://digikogu.taltech.ee/et/Item/7e247788-70ef-4a2b-b0d1-d72c16a9b993>
<https://doi.org/10.23658/taltech.70/2024>

The applicability of limiting phase angle temperatures for specifying asphalt binder low temperature performance

Lill, Kristjan; Kontson, Karli; Aavik, Andrus Baltic journal of road and bridge engineering 2023 / p. 166-184

<https://doi.org/10.7250/bjrbe.2023-18.623> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of pavement structural strength by the falling weight deflectometer

Aavik, Andrus; Paabo, Priit; Kaal, Tiit The Baltic journal of road and bridge engineering 2006 / 4, p. 193-199 : ill <https://bjrbe-journals.rtu.lv/bjrbe/article/view/1822-427X.2006.4.193%E2%80%9393199>

Assumptions to road pavement testing by non-destructive means

Janulevičius, Justinas; Čygas, Donatas; Giniotis, Vytautas; **Aavik, Andrus** The Baltic journal of road and bridge engineering 2013 / p. 227-231 : ill <https://doi.org/10.3846/bjrbe.2013.29> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Balti Teede konverents teadlase pilgu läbi

Aavik, Andrus Teeleht 2017 / lk. 102 : fot https://artiklid.elnet.ee/record=b2827882*est

Baltimaade maanteelased Saaremaal : [rahvusvahelisel konverentsil]

Aavik, Andrus Tallinna Tehnikaülikooli aastaraamat 2006 2007 / lk. 344-347

Comparison of different soil compaction test methods [Electronic resource]

Aavik, Andrus 26th International Baltic Road Conference : Kuressaare, 28-30 August, 2006 2006

Determination of limit values for FWD deflection basin parameters (SCI, BDI, BCI) for pavement condition assessment

Talvik, Ott; Aavik, Andrus Proceedings of the XXVII International Baltic Road Conference : August 24-26, 2009, Riga, Latvia 2009 / [8] p. : ill

Determining asphalt binder aging by using limiting phase angle temperature

Lill, Kristjan; Kontson, Karli; Aavik, Andrus Baltic journal of road and bridge engineering 2024 / p. 28-49

<https://doi.org/10.7250/bjrbe.2024-19.647> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Determining ranges and spatial distribution of road frost heave by terrestrial laser scanning

Mill, Tarvo; Ellmann, Artu; Aavik, Andrus; Horemuz, Milan; Sillamäe, Sven The Baltic journal of road and bridge engineering 2014 / p. 225-234 : ill <https://doi.org/10.3846/bjrbe.2014.28> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Development of pavement temperature estimation models and the impact of climate change on pavement temperatures in Estonia = Teekatte temperatuuride arvutamise mudelite arendamine ja kliimamuutuste mõju Eesti teekatete temperatuuridele

Kontson, Karli 2025 https://www.ester.ee/record=b5744381*est <https://digikogu.taltech.ee/et/Item/9c8d3c4e-b1f5-42b4-8bda-77fea5c05c0b>
<https://doi.org/10.23658/taltech.27/2025>

Economical loss caused by the traffic accidents in Estonia [Electronic resource]

Aavik, Andrus; Koppel, Maano 26th International Baltic Road Conference : Kuressaare, 28-30 August, 2006 2006

Economical loss caused by the traffic accidents in Estonia [Electronic resource]

Koppel, Maano; Aavik, Andrus 26th International Baltic Road Conference : Kuressaare, 28-30 August, 2006 2006 / 8 p., 13 p. slides : ill. [CD-ROM]

Eesti teedevõrk ja maanteehoid

Aavik, Andrus Tallinna Tehnikaülikooli aastaraamat 2005 2006 / lk. 67-77

Ehitusmaavarade varustuskindlus Maanteeameti objektidele : II etapp [Võrguväljaanne]

Kaal, Tiit; Kaal, Luule; Kendra, Ain; Ritsberg, Kersti 2015

https://www.mnt.ee/sites/default/files/survey/mava_lopparuanne_231115_uus_erc_0.pdf

Elastsete teekatendite projekteerimise juhendi pinnaste klassifikatsiooni kohandamine EVS-EN ISO 14688-1 ja 2 klassifikatsioonile. Ühtlaseteralise liiva (CU<3) geotehnilisi omadusi mõjutavad tegurid : teadustöö Lep14003 lõpparuanne

2014 https://transpordiamet.ee/sites/default/files/documents/2021-11/2001-52_pinnaste_nimetused_09102014.pdf

Estonian road network and road management

Aavik, Andrus The Baltic journal of road and bridge engineering 2006 / p. 39-44 : ill https://www.ester.ee/record=b2222369*est

Euroopa pinnaste klassifikatsiooni kasutamine katendite dimensioneerimisel

Aavik, Andrus Teeleht 2004 / 2, lk. 6-13 : ill

Geodetic monitoring of bridge deformations occurring during static load testing

Mill, Tarvo; Ellmann, Artu; Kiisa, Martti; Idnurm, Juhan; Horemuz, Milan; **Aavik, Andrus** The Baltic journal of road and bridge engineering 2015 / p. 17-27 : ill <https://doi.org/10.3846/bjrbe.2015.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Geosüntetika kasutamine teekatendis maantee 15111 km 0,0-8,7 remondi näitel : teadustöö Lep8132 : lõpparuanne, 2009-15/L

Aavik, Andrus; Ellmann, Artu; Paabo, Priit 2013

The Impact of Climate Change to Pavement Temperatures and Asphalt Binder Grade Selection in Estonia Based on Different Climate Change Scenarios

Kontson, Karli; Lill, Kristjan; Ellmann, Artu; Aavik, Andrus The Baltic Journal of Road and Bridge Engineering 2025 / p. 94-113 <https://doi.org/10.7250/bjrbe.2025-20.655>

Investigations and determination of seasonal effect on road pavement strength

Siaudinis, G.; Cygas, D.; Laurinavicius, A.; **Aavik, Andrus** The 6th International Conference of Environmental Engineering 2005 / ? p

Jätkuks probleemidele katendite dimensioneerim[i]sel

Aavik, Andrus Teeleht 2003 / 3, lk. 3-8 : ill

Kui auto võtab mõistuse : [ohutute maantee ehitamisest]

Karu, Toomas; **Aavik, Andrus** Postimees 2005 / 27. sept., lk. 14 <https://www.postimees.ee/1500139/kommentaari-kui-auto-votab-moistuse>

Latest pavement - related research implemented in Estonia [Electronic resource]

Aavik, Andrus An IRF Regional Conference and Exhibition : the 25th International Baltic Road Conference : 24-27 August 2003, Vilnius, Lithuania 2003 / [13] p. : ill. [CD-ROM]

Linnateede ja tänavate remondi ja korrashoiu optimaalse planeerimise süsteem : magistritöö

Aavik, Andrus 1991 https://www.ester.ee/record=b2631832*est

Linnateede ja tänavate remondi optimaalse planeerimise süsteem

Aavik, Andrus Liiklus : informatsiooniseeria 13 1988 / lk. [4-6] https://www.ester.ee/record=b1147167*est

Methodical basis for the evaluation of pavement structural strength in Estonian pavement management system (EPMS)

Aavik, Andrus 2003 http://www.ester.ee/record=b1748192*est

Pinnaste tihendamise ja tiheduse kontroll

Aavik, Andrus Teeleht 2005 / 3, lk. 8-12 : ill

Põlevkivipoolkoksist valmistatud filleri kasutamine asfaltbetooni täitematerjalina

Aavik, Andrus Autotransport ja Maanteed : informatsiooniseeria 8 1984 / lk. 5-9 : ill https://www.ester.ee/record=b1181335*est

Rappuv sõidukogemus : [vastus Kaupo Sampelson'i küsimusele]

Aavik, Andrus Miks seisavad kured ühe jala peal? Ja veel 100 huvitavat küsimust 2010 / lk. 113-115

Statistical-empirical pavement temperature prediction models based on data from road weather stations in Estonia

Kontson, Karli; Lill, Kristjan; Aavik, Andrus Road Materials and Pavement Design 2024 / 11 p <https://doi.org/10.1080/14680629.2024.2415347>

Suitable bitumens for Estonian climate conditions

Kontson, Karli; Lill, Kristjan; Sillamäe, Sven; Koit, Marek; Freiberg, Rein; Aavik, Andrus Международная научно-техническая конференция "Автомобильные дороги : безопасность и надежность" : 24-25 ноября 2016 г., Минск : сборник докладов = International Scientific and Technical Conference "Highways : Safety and Reliability" : November 24-25, 2016, Minsk : conference reports 2016 / p. 98-100 : ill

Superpave pavement design temperatures in Estonia

Kontson, Karli; Lill, Kristjan; Aavik, Andrus The Baltic journal of road and bridge engineering 2023 / p. 190-204 <https://doi.org/10.7250/bjrbe.2023-18.603> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tallinna teede ja tänavate katendite deformatsioonide ja katete kulumise määramine, lähtudes liiklussagedusest ja

teekatendi konstruktsioonist 2. etapp : aruanne

Aavik, Andrus; Ellmann, Artu; Varbla, Sander; Rõuk, Harri 2018 https://uuringud.tallinnlv.ee/file_download/830

Teekatendite tugevuse hindamise metoodilised alused Eesti teekatendite hoiu süsteemis (EPMS)

Aavik, Andrus Teeleht 2003 / lk. 9-12 : ill

The 26th International Baltic Road Conference

Aavik, Andrus The Baltic journal of road and bridge engineering 2006 / 3, p. 121-122

The 90th anniversary celebrations of Tallinn University of Technology

Aavik, Andrus The Baltic journal of road and bridge engineering 2008 / 4, p. 1-2

The Baltic journal of road and bridge engineering

2010 https://www.ester.ee/record=b2222369*est

The cyclical problemacy of small open-economy

Aavik, Andrus; Gliniskiene, R.; Umbrasienė, G. Proceedings of the 3rd International Conference : Changes in Social and Business Environment : Kaunas, November 4-5, 2009 2009 / p. 26-30

Tuleviku tee : [konverents]

Aavik, Andrus Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 308-311 : ill

Use of falling weight deflectometer (FWD) measurement data for pavement structural evaluation and repair design

Aavik, Andrus; Talvik, Ott The 7th International Conference Environmental Engineering : May 22-23, 2008, Vilnius, Lithuania : selected papers. Volume III 2008 / p. 1101-1107 : ill

Use of falling weight deflectometer measurement data in Estonian pavement management system [Electronic resource]

Aavik, Andrus; Sürje, Peep 2nd European Pavement and Asset Management Conference, Berlin, 2004 2004 / 16 p. [CD-ROM]

Use of FWD deflection basin parameters (SCI, BDI, BCI) for pavement condition assessment

Talvik, Ott; Aavik, Andrus The Baltic journal of road and bridge engineering 2009 / 4, p. 196-202

https://www.researchgate.net/publication/238190198_Use_of_FWD_deflection_basin_parameters_SCI_BDI_BCI_for_pavement_condition_assessment

Use of geosynthetics for roadbase strengthening – case study in swampy area

Aavik, Andrus; Ellmann, Artu; Paabo, Priit XXVIII International Baltic Road Conference : conference proceedings : Lithuania, Vilnius, 26-28 August, 2013 2013 / p. 1-18 : ill

Use of pavement surface texture characteristics measurement results in Estonia

Aavik, Andrus; Kaal, Tiit; Jentson, Maret XXVIII International Baltic Road Conference : conference proceedings : Lithuania, Vilnius, 26-28 August, 2013 2013 / p. 1-10 : ill

Uued viisid bituumensideainete kvaliteediomaduste määramiseks ja võimalused nende rakendamiseks, pidades silmas konkreetsele objektile vastavaid kriteeriume sideaine eeldatavast elueast ja kasutuskohast lähtuvalt : teadus- ja arendustöö lõpparuanne [Võrguteavik]

Aavik, Andrus; Kulp, Maria; Sillamäe, Sven; Lill, Kristjan; Hesp, Simon A. M.; Teymourpour, Ponya; Bahia, Hussain 2015

https://www.mnt.ee/sites/default/files/survey/bituumeniuuring_2015.pdf

[Vastus lugeja küsimusele: Miks kruusateed treppi lähevad]

Aavik, Andrus Tarkade Klubi 2009 / 9, lk. 8-9

Автомобильные дороги и транспорт

Roste, Irina; Aavik, Andrus; Segerkrantz, Vladimir; Pertens, Sven; Roste, Irina; Sillat, Arno; Lavrentjev, Jüri 1989

https://www.ester.ee/record=b1509682*est

Автомобильные дороги. Автомобильный транспорт

Randlepp, Arne; Metsvahi, Tiit; Pihlak, Ilmar; Roste, Irina; Segerkrantz, Vladimir; Antov, Dago; Klibavicius, A.; Adamson,

Arvo; Vaimel, Ants; Aamer, K.; Aavik, Andrus 1986 https://www.ester.ee/record=b1296029*est

Автомобильные дороги. Автомобильный транспорт

Randlepp, Arne; Aavik, Andrus; Segerkrantz, Vladimir; Sürje, Peep; Sillat, Rein; Gavrilov, Aleksei; Platonov, N.L.; Metsvahi,

Tiit; Roste, Irina; Mägi, Hans; Karilaid, R. 1988 https://www.ester.ee/record=b1257202*est

База информации для системы оптимального планирования ремонта городских улиц и дорог (системы PMS)

Эстонской ССР

Aavik, Andrus; Segerkrantz, Vladimir Условия движения транспортных потоков. Проблемы повышения качества ремонта и содержания дорог 1988 / с. 3-14

Влияние активных заполнителей на термоустойчивость битумов

Aavik, Andrus Теоретическое и экспериментальное исследование автомобильных дорог и автомобильного транспорта Эстонской ССР в условиях интенсивной автомобилизации 1986 / с. 63-70

Оптимизация осуществления ремонтных работ дорожных покрытий в системе оптимального планирования ремонта городских улиц

Aavik, Andrus; Segerkrantz, Vladimir Автомобильные дороги и транспорт. 18 1989 / с. 3-11

Основные принципы оптимальной системы планирования ремонта городской дорожных покрытий

Segerkrantz, Vladimir; Ennus, A.; Aavik, Andrus Всесоюзная научно-техническая конференция "Пути ускорения научно-технического прогресса и рационального использования ресурсов при строительстве и ремонте городских дорог" (г. Ереван, 16-18 марта 1987 г.) : тезисы докладов 1987 / с. [3-5]

Труды экономического факультета

Plats, Rein; Rooma, Ülo; Rahkema, L.; Otsmaa, Svea; Lias, Roode; Aavik, Andrus; Koppel, Maano; Abramovitš, Ljudmilla; Lill, Irene; Urov, A.; Ennok, Malle 1988 https://www.ester.ee/record=b1288258*est

Экономическое сравнение вариантов конструкции одежд городских улиц

Aavik, Andrus; Koppel, Maano Экономико-организационные проблемы интенсификации строительства 1988 / с. 27-35