

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/kommentaar-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/bituumeniuurung_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