

A new exact algorithm for the maximum-weight clique problem based on a heuristic vertex-coloring and a backtrack search

Kumlander, Deniss Proceedings of the Forth International Conference on Engineering Computational Technology 2004 / p. 137

A practical algorithm for the maximum clique finding

Kumlander, Deniss Proceedings of the IADIS International Conference Applied Computing 2006 : San Sebastian, Spain, 2006, February 25-28 2006 / p. 266-272 <https://www.iadisportal.org/digital-library/a-practical-algorithm-for-the-maximum-clique-finding>

A simple and efficient algorithm for the maximum clique finding reusing a heuristic vertex colouring

Kumlander, Deniss IADIS international journal on computer science and information system 2006 / 2, p. 32-49
<https://www.iadisportal.org/ijcsis/papers/2006110203.pdf>

An algebraic approach to the structure of graphs

Buldas, Ahto 1999 http://www.ester.ee/record=b1273064*est

An extended comparison of the best known algorithms for finding the unweighted maximum clique

Kumlander, Deniss Modelling, computation and optimization in information systems and management sciences 2008 / p. 175-181
https://www.researchgate.net/publication/221451751_An_Extended_Comparison_of_the_Best_Known_Algorithms_for_Finding_the_Unweighted_Maximum_Clique

Anwendung der Graphentheorie zur Optimierung von Fertigungsprozessen

Küttner, Rein; Kochan, D. Technische Universität Dresden : Als Manuskript gedruckt = Труды ТУ Дрезден, № 14.10.1978 1978 / S. 1-12

Artificial intelligence in the maximum clique finding problem applications

Kumlander, Deniss Proceedings of the WSEAS Conference : 7th WSEAS International Conference on Automation & Information (ICA'06) : Cavtat, Croatia, June 13-15, 2006 2006 / p. 132-137
https://www.researchgate.net/publication/234778320_Artificial_intelligence_in_the_maximum_clique_finding_problem_applications

Automation of chemical plant modelling

Aarna, Olav Automatica 1980 / p. 649-661 https://www.ester.ee/record=b1199422*est [https://doi.org/10.1016/0005-1098\(80\)90007-2](https://doi.org/10.1016/0005-1098(80)90007-2)

Beta assertive graphs

Bellucci, Francesco; **Chiffi, Daniele; Pietarinen, Ahti-Veikko** Diagrammatic representation and inference : 11th International Conference, Diagrams 2020, Tallinn, Estonia, August 24–28, 2020 : proceedings 2020 / p. 525-529 https://doi.org/10.1007/978-3-030-54249-8_49 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Beta assertive graphs : proofs of assertions with quantification

Bellucci, Francesco; **Chiffi, Daniele; Pietarinen, Ahti-Veikko** Journal of applied logics : IfCoLog journal of logics and their applications 2021 / 23 p. : ill <https://www.collegepublications.co.uk/downloads/ifcolog00044.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The Blot

Pietarinen, Ahti-Veikko; Bellucci, Francesco; Bobrova, Angelina; **Haydon, Nathan Joseph;** Shafiei, Mohammad Diagrammatic representation and inference : 11th International Conference, Diagrams 2020, Tallinn, Estonia, August 24–28, 2020 : proceedings 2020 / p. 225-238 : ill https://doi.org/10.1007/978-3-030-54249-8_18 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#) [Conference proceedings at WOS](#)

Comparing the best maximum clique finding algorithms, which are using heuristic vertex colouring

Kumlander, Deniss Proceedings of the WSEAS Conference : 10th WSEAS Conference on Computers : Vouliagmeni, Athens, Greece, July 10-15, 2006 2006 / p. 932-937 <https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=6a835c6002434a8e0985d850356794d9bc74879e>

Compositional diagrammatic first-order logic

Haydon, Nathan Joseph; Sobocinski, Pawel Maria Diagrammatic representation and inference : 11th International Conference, Diagrams 2020, Tallinn, Estonia, August 24–28, 2020 : proceedings 2020 / p. 402-418 https://doi.org/10.1007/978-3-030-54249-8_32 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Diagrammatic algebra of first order logic

Bonchi, Filippo; Di Giorgio, Alessandro; **Haydon, Nathan Joseph; Sobocinski, Pawel Maria** LICS '24 : proceedings of the 39th Annual ACM/IEEE Symposium on Logic in Computer Science 2024 / art. 16, p. 1-15 : ill <https://doi.org/10.1145/3661814.3662078>

Diagrammatic algebra of first order logic : [preprint]

Bonchi, Filippo; Di Giorgio, Alessandro; **Haydon, Nathan Joseph; Sobocinski, Pawel Maria** arXiv.org 2024 / 34 p. : ill <https://doi.org/10.48550/arXiv.2401.07055>

Diagrammatic Representation and Inference : 10th International Conference, Diagrams 2018, Edinburgh, UK, June 18-22, 2018 : proceedings

2018 <https://doi.org/10.1007/978-3-319-91376-6>

Diagrammatic Representation and Inference : 11th International Conference, Diagrams 2020, Tallinn, Estonia, August 24–28, 2020 : proceedings

2020 <https://doi.org/10.1007/978-3-030-54249-8>

Distributed average integral control based energy management model

Shaukat, Neelofar; Khan, Bilal; Qureshi, Muhammad Bilal; Jawad, Muhammad; **Shabbir, Noman; Daniel, Kamran** 2023 IEEE International Conference on Energy Technologies for Future Grids (ETFG) 2023 / 5 p <https://doi.org/10.1109/ETFG55873.2023.10407358>

Engineering of an effective automatic dynamic assertion mining platform

Ghasempouri, Tara; Malburg, Jan; Danese, Alessandro; Pravadelli, Graziano; Fey, Goerschwin; **Raik, Jaan** VLSI-SoC 2019 : 27th IFIP/IEEE International Conference on Very Large Scale Integration : [proceedings] 2019 / p. 111-116 : ill <https://doi.org/10.1109/VLSI-SoC.2019.8920331>

An experimental comparison of heuristic coloring algorithms in terms of found color classes on random graphs

Kumlander, Deniss; Kulitškov, Aleksei WCGO 2019: Optimization of Complex Systems: Theory, Models, Algorithms and Applications 2020 / p. 365-375 https://doi.org/10.1007/978-3-030-21803-4_37 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Failure consequence evaluation of uncontrollable district heating network

Mao, Ding; Wang, Peng; **Ju, Yuchen;** Ni, Long Sustainable cities and society 2022 / art. 103593, 16 p. : ill <https://doi.org/10.1016/j.scs.2021.103593> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Finding the description of structure by counting method : a case study

Peder, Ahti; **Tombak, Mati** SOFSEM 2011 : Theory and Practice of Computer Science : 37th Conference on Current Trends in Theory and Practice of Computer Science : Nový Smokovec, Slovakia, January 22-28, 2011 : proceedings 2011 / p. 455-466 : ill https://link.springer.com/chapter/10.1007/978-3-642-18381-2_38

Graafid

Buldas, Ahto; Laud, Peeter; Villemson, Jan 2008 https://www.ester.ee/record=b2345899*est

Graafid

Buldas, Ahto; Laud, Peeter; Villemson, Jan 2003 https://www.ester.ee/record=b1804744*est

Graafiteooria elemente : loengukonspekt

Puusemp, Peeter 2000 https://www.ester.ee/record=b1462950*est

Icons, interrogations, and graphs: On Peirce's integrated notion of abduction

Pietarinen, Ahti-Veikko; Bellucci, Francesco Transactions of the Charles S. Peirce Society 2020 / p. 43-61 <https://doi.org/10.2979/trancharpeirsoc.56.1.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improving the maximum clique finding applications by using artificial intelligence principles

Kumlander, Deniss WSEAS transactions on computers 2006 / 8, p. 1726-1732 https://www.researchgate.net/publication/288446461_Improving_the_maximum_clique_finding_applications_by_using_artificial_intelligence_principles

Improving the maximum-weight clique algorithm for the dense graphs

Kumlander, Deniss Proceedings of the WSEAS Conference : 10th WSEAS Conference on Computers : Vouliagmeni, Athens, Greece, July 10-15, 2006 2006 / p. 938-943

International Workshop on Graph and Model Transformation : GraMoT 2005 : Tallinn, Estonia, 28 September 2005 : preproceedings

Karsai, Gabor; Taentzer, Gabriele 2005 https://www.ester.ee/record=b2074633*est

Klassidiagrammide automaatpaigutus

Kuusik, Ago 1994 https://www.ester.ee/record=b2111062*est

Logic of the future : writings on existential graphs. Volume 1. History and applications

Peirce, Charles S. 2020 <https://doi.org/10.1515/9783110651409>

Mailmas toimuvale uut moodi otsavaatamisest (Gray koodist ja XOR-tehstest)

Võhandu, Leo A & A 2006 / 5, lk. 47-61 https://artiklid.elnet.ee/record=b1019639*est

A new exact algorithm for the maximum-weight clique problem based on a heuristic vertex-coloring and a backtrack

search

Kumlander, Deniss Modelling, Computation and Optimization in Information Systems and Management Sciences : Metz, France 2004 / p. 202-208

Notational differences

Bellucci, Francesco; **Pietarinen, Ahti-Veikko** Acta Analytica 2020 / p. 289-314 <https://doi.org/10.1007/s12136-020-00425-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

NP-hard graph problems' algorithms testing guidelines : artificial intelligence principles and testing as a service

Kumlander, Deniss Advances in computer and information sciences and engineering 2008 / p. 114-118 : ill https://link.springer.com/chapter/10.1007/978-1-4020-8739-4_20

NP-hard graph problems' algorithms testing guidelines : artificial intelligence principles and testing as a service

Kumlander, Deniss Innovative techniques in instruction technology, e-learning, e-assessment, and education 2008 / p. 112-116 https://link.springer.com/chapter/10.1007/978-1-4020-8739-4_20

On places suitable for applying AI principles in NP-hard graph problem's algorithms

Kumlander, Deniss Proceedings of the IASTED Conference on Artificial Intelligence and Applications as part of the 25th IASTED International Multi-Conference on Applied Informatics : Innsbruck, Austria, 12-14.02.2007 2007 / p. 284-288 <https://dl.acm.org/doi/abs/10.5555/1295303.1295352>

Problems of optimization : an exact algorithm for binding a maximum clique optimized for the dense graphs

Kumlander, Deniss ISMP2003 : Copenhagen, 2003 : program and abstracts book 2003 / p. 114 https://kirj.ee/wp-content/plugins/kirj/pub/phys-2-2005-79-86_20211016172808.pdf

Reversed search maximum clique algorithm based on recoloring

Kumlander, Deniss; Porošin, Aleksandr WCGO 2019: Optimization of Complex Systems: Theory, Models, Algorithms and Applications 2020 / p. 458-467 https://doi.org/10.1007/978-3-030-21803-4_46 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Self-organizing approach to graph vertex colouring in the applications of ad hoc networks

Kirt, Toomas; **Võhandu, Leo** Proceedings of the 10th WSEAS Conference on Computers : Vouliagmeni, Athens, Greece, July 10-15, 2006 2006 / ? p https://www.researchgate.net/publication/262353001_Self-organizing_approach_to_graph_vertex_colouring_in_the_applications_of_ad_hoc_networks

Some practical algorithms to solve the maximum clique problem

Kumlander, Deniss 2005 https://www.ester.ee/record=b2097511*est

Sümmeetrilise binaarse relatsiooni lähendamisest ekvivalentsusrelatsiooniga : magistritöö

Veiner, Guido 1992 https://www.ester.ee/record=b2630628*est

Two implications and dual-process theories of reasoning

Bobrova, Angelina; **Pietarinen, Ahti-Veikko** Diagrammatic representation and inference : 11th International Conference, Diagrams 2020, Tallinn, Estonia, August 24–28, 2020 : proceedings 2020 / p. 239-243 https://doi.org/10.1007/978-3-030-54249-8_19 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Using weighted graph coloring heuristics for architecture exploration

Ellervee, Peeter; Klaar, Tarmo 19th NORCHIP Conference, Kista, Sweden, 12-13 November 2001 : proceedings 2001 / p. 161-166 : ill

Why images cannot be arguments, but moving ones might

Champagne, Marc; **Pietarinen, Ahti-Veikko** Argumentation 2020 / p. 207–236 <https://doi.org/10.1007/s10503-019-09484-0>

Вопросы исследования графов, грамматик, функций

1976 https://www.ester.ee/record=b1433013*est <https://digikogu.taltech.ee/et/Item/ab9b20b3-9208-4a18-88a2-da1e0f43137f>

О математическом описании и оптимизации химико-технологических комплексов

Aarna, Olav Труды по электротехнике и автоматике : сборник статей. 9 1971 / с. 63-72 https://www.ester.ee/record=b2190156*est <https://digikogu.taltech.ee/et/Item/945ec07e-d7b0-466e-bc24-6ad904a829e9/>

О циклических разложениях обобщенных графов

Mullat, Jossif Очерки по обработке информации и функциональному анализу 1971 / с. 31-36 https://www.ester.ee/record=b1356667*est <https://digikogu.taltech.ee/et/Item/a431c49f-a972-4e58-916b-947eea59962d>

Поиск внутренне устойчивого множества на дереве

Paluoja, Rein; **Kuusik, Rein**, inform. Вопросы исследования графов, грамматик, функций 1976 / с. 11-22 : илл https://www.ester.ee/record=b1433013*est <https://digikogu.taltech.ee/et/Item/ab9b20b3-9208-4a18-88a2-da1e0f43137f>

Применение теорий многополюсников и сигнальных графов к расчету частотных характеристик объемных гидроприводов на ЭЦВМ

Grossschmidt, Gunnar Сборник статей по машиностроению. 12 1975 / с. 3-16 : илл https://www.ester.ee/record=b2190717*est
<https://digikogu.taltech.ee/et/Item/7b7310bb-55bb-4584-a47b-63fe4d08b6a9>

Соотношение между количеством ребер и вершин в графах

Korrovits, Harri Труды экономического факультета. 13 1974 / с. 3-13 : илл https://www.ester.ee/record=b2190639*est
<https://digikogu.taltech.ee/et/Item/1a203a6e-07a5-4c4f-9e1b-dd24357eb552>