

1. A hivatkozott cikk: [8] Péter, T., Bokor, J., Modeling road traffic networks for control. In: Prof the Hon Dr. Stephen Martin (eds) Annual international conference on network technologies & communications (NTC 2010), Global Science & and Technology Forum Publication, Thailand, 30th november 2010, pp. 227-232, (2010).

A hivatkozó cikk: T.A Várkonyi, J.K Tar, I.J Rudas, Adaptive Emission Control of Freeway Traffic via Compensation of Modeling Inconsistences (pp. 79-84). Applied Machine Intelligence and Informatics, IEEE 10th International Symposium on 26-28 Jan. 2012, DOI: 10.1109/SAMI.2012.6208933.

Szöveggörnyezet: Several models can be regarded as some mathematical approximations of continuum mechanical ones that use integer order partial derivatives (e.g. [8], ...) in which the time is kept as continuous variable but the space is treated as a discretized grid. This discretization can be realized by the use of various numerical approximations of the gradient operator that lead to models of various complexity.

2. A hivatkozott cikk: Péter T., Modeling nonlinear road traffic networks for junction control, INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE 22:(3) pp. 723-732. (2012)

A hivatkozó cikk: WoS: 000343105700017; V. Vukasinovic , J. Silc , R. Skrekovski, Modeling acquaintance networks based on balance theory, Int. J. Appl. Math. Comput. Sci., 2014, Vol. 24, No. 3, 683–696, DOI: 10.2478/amcs-2014-0050

Szöveggörnyezet: Finally, based on the properties extracted from the network, we can build mathematical models to simulate dependent processes that allow us to predict the behavior of the network (Barabási and Albert, 1999; Davidsen et al., 2002; Erdős and Rényi, 1960; Jiang et al., 2011; Kumpula et al., 2007; Leskovec, 2010; Ludwig and Abell, 2007; Marsili et al., 2004; Péter, 2012; Wang et al., 2005; White et al., 2006; Xiong et al., 2011).

3. A hivatkozott cikk: [6] Péter T., Modeling nonlinear road traffic networks for junction control INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE 22:(3) pp. 723-732. (2012)

A hivatkozó cikk: WoS: 000332509703149; A.I. Diveev, E.A. Sofronova, Synthesis of Intelligent Control of Traffic Flows in Urban Roads Based on the Logical Network Operator Method 2013 European Control Conference (ECC) July 17-19, 2013, Zürich, Switzerland. 978-3-952-41734-8/©2013 EUCA pp, 3512-3517

Szöveggörnyezet: For example, in model [6] the density of traffic flow is controlled. The model describes large scale networks and determines the change of flow parameters by nonlinear system in continuous and discrete time.

4. A hivatkozott cikk: Péter, T., Szabó, K. A new network model for the analysis of air traffic networks. Periodica Polytechnica, Transportation Engineering. 40, 1(2012), pp. 39-44. DOI: 10.3311/pp.tr.2012-1.07

A hivatkozó cikk: Foreword by Markos Papageorgiou, Edited by Dusan Teodorovic, Routledge Handbook of Transportation, ISBN: 978-1-138-7982-12 (hbk) Publisher: New York and London. Routledge, Taylor & Francis Group, 2016; 18. The ATC (Air Traffic Control) system / Milan Janic DELFT UNIVERSITY OF TECHNOLOGY4. Modeling the Operational Performances of the ATC System 484 page:

Szöveggörnyezet: The above-mentioned performances of different components of ATC system can be modeled using analytical, simulation, and optimization models. In general, the capacity of airspace, ATC sector based on the ATC controller's workload, the A/G communication link, air route network, and ATFM operations and processes have been under focus (Bertsimas and Patterson, 2000, Janic and Tosic, 1991, Onodi, 1987, Péter, T. and Szabó. K. 2012, Varanas, 1994) Here, the analytical model for estimating the ATC sect.

5. A hivatkozott cikk: [2] O. Derbel, T. Peter, H. Zebiri, B. Mourllion, and M. Basset, Modified intelligent driver model for driver safety and traffic stability improvement, in ELSEVIER IFAC Proceedings of the 7th IFAC Symposium on Advances in Automotive Control (AAC '13), vol. 7, pp. 744–749, (2013). ISBN: 978-1-62993-168-5., Copyright© (2013) by Elsevier Limited.

A hivatkozó cikk: WoS: 000331754200001; Wang W, Xi J, Chen H, Modeling and Recognizing Driver Behavior Based on Driving Data: A Survey MATHEMATICAL PROBLEMS IN ENGINEERING (ISSN: 1024-123X) Paper DOI: 10.1155/2014/245641.(2014)

Szöveggörnyezet: Driver model can be applied to (1) vehicle dynamics [1] including vehicle component design, vehicle dynamics analysis, overall vehicle stability analysis, and design of onboard controls; (2) intelligent transport systems (ITS) [2–4] including simulation of traffic flow based on the control the or models of driver behavior and modeling driver's risk taking behavior (3) driverless vehicle systems...