

Ing. Anna Derevianko

Seznam vlastních publikací – publikace vztahující se k tématu DDP

1. A. Derevianko and P. Vašík, Solver-free optimal control for linear dynamical switched system by means of geometric algebra, *Mathematical Methods in the Applied Sciences*, vol. 47, no. 3, pp. 1274–1288, 2024, Wiley Online Library
2. Roman Byrtus, Anna Derevianko, Petr Vašík, Dietmar Hildenbrand, and Christian Steinmetz. On Specific Conic Intersections in GAC and Symbolic Calculations in GAALOPWeb. *Advances in Applied Clifford Algebras*, 32(1):2, 2022
3. R. Byrtus, A. Derevianko, and P. Vašík. Outline of tube elbow detection based on gac. In *Advances in Computer Graphics*, number 12221, pages 482–491, Springer Science and Business Media Deutschland GmbH, october 2020. Springer Science and Business Media Deutschland GmbH
4. A. Derevianko and V. Korobov, Controllability of the given switched linear system of special type, *Visnyk of V.N.Karazin Kharkiv National University Ser. Mathematics, Applied Mathematics and Mechanics*, Kharkiv, Ukraine, 2019
5. A. Derevianko and P. Vašík, On control of 2D switched systems by means of Geometric Algebra for conics, preprint

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Seznam vlastních publikací – publikace ostatní

1. A. Derevianko and P. Loučka, Search for Similarity Transformation Between Image Point Clouds Using Geometric Algebra for Conics, in *Advances in Applied Geometric Algebras: Combinatorial Computational Geometry*, edited by M. Elhoseny et al., pp. 215–226, Springer International Publishing, 2022, ISBN 978-3-030-98259-1, doi: 10.1007/978-3-030-98260-7_13
2. A. Derevianko and J. Procházková, The Analysis of Point Cloud Registration Methods for Natural Environment in Autonomous Driving, to appear in *Proceedings of the International Conference on Modelling and Simulation for Autonomous Systems*, Palermo, Italy, 17–19 October 2023