Czech Technical University in Prague
Faculty of Nuclear Sciences and
Physical Engineering

List of Publications

Author:	Ing. Václav Mácha
Supervisor:	doc. Ing. Václav Šmídl, Ph.D.
Supervisor Specialist:	Mgr. Lukáš Adam, Ph.D.
Academic Year:	2022/2023

Related to Dissertation

Peer-reviewed Publications

1. Lukáš Adam and Václav Mácha. "Projections onto the canonical simplex with additional linear inequalities". In: *Optimization Methods and Software* 37.2 (2022), pp. 451–479. DOI: 10.1080/10556788.2020.1797023
   (0 citations)

2. Lukáš Adam et al. "General framework for binary classification on top samples". In: *Optimization Methods and Software* 37.5 (2022), pp. 1636–1667. DOI: 10.1080/10556788.2021.1965601
   (0 citations)

Other

3. Václav Mácha, Lukáš Adam, and Václav Šmídl. "General framework for binary nonlinear classification on top samples". In: *Book of Abstracts of the 3rd International Conference and Summer School. Numerical Computations: Theory and Algorithms (NUMTA-2019)*. Crotone, Italy, June 15–21, 2019, pp. 206–206

4. Václav Mácha, Lukáš Adam, and Václav Šmídl. *Nonlinear classifiers for ranking problems based on kernelized SVM*. 2020. arXiv: 10.48550/ARXIV.2002.11436

5. Lukáš Adam, Václav Mácha, and Václav Šmídl. *DeepTopPush: Simple and Scalable Method for Accuracy at the Top*. 2020. arXiv: 10.48550/ARXIV.2006.12293

Unrelated to Dissertation

6. Václav Šmídl et al. "Predictive current limiter for LQ based control of AC drives". In: *2015 IEEE International Symposium on Predictive Control of Electrical Drives and Power Electronics (PRECEDE)*. IEEE. 2015, pp. 55–60. DOI: 10.1109/PRECEDE.2015.7395583
(0 citations)

7. Václav Šmídl et al. "Analysis of cost functions and setpoints for predictive speed control of PMSM drives". In: *2016 18th European Conference on Power Electronics and Applications (EPE'16 ECCE Europe)*. IEEE. 2016, pp. 1–8. DOI: 10.1109/EPE.2016.7695661
(0 citations)

8. Václav Mácha, Václav Šmídl, and Zdeněk Peroutka. "Implementation of predictive spectrum control of a LC filter using ADMM". in: *2017 IEEE International Symposium on Predictive Control of Electrical Drives and Power Electronics (PRECEDE)*. IEEE. 2017, pp. 78–82. DOI: 10.1109/PRECEDE.2017.8071272
(3 citations)