Progressive Indexes

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Publications

This thesis is based on the following set of publications:

- **Progressive Mergesort: Merging Batches of Appends into Progressive Indexes**, Pedro Holanda and Stefan Manegold, 24th International Conference on Extending Database Technology (EDBT 2021)
- **Multidimensional Adaptive & Progressive Indexes**, Matheus Nerone, Pedro Holanda, Eduardo Almeida and Stefan Manegold, 37th International Conference on Data Engineering (ICDE 2021)
- **Progressive Indexes: Indexing for Interactive Data Analysis**, Pedro Holanda, Mark Raasveldt, Stefan Manegold and Hannes Mühleisen, 46th International Conference on Very Large Data Bases (VLDB 2020)
- **Cracking KD-Tree: The First Multidimensional Adaptive Indexing.**, Pedro Holanda, Matheus Nerone, Eduardo Almeida, and Stefan Manegold, 7th International Conference on Data Science, Technology and Applications (DATA 2018, EDDY)
- **Progressive Indices – Indexing Without Prejudice.**, Pedro Holanda, 44th International Conference on Very Large Data Bases (VLDB 2018, PhD Workshop)

Further set of publications not included in this thesis:

- **Relational Queries with a Tensor Processing Unit**, Pedro Holanda and Hannes Mühleisen, ACM International Conference on Management of Data (SIGMOD 2019, DaMoN)

- **devUDF: Increasing UDF development efficiency through IDE Integration. It works like a PyCharm!**, Mark Raasveldt, Pedro Holanda and Stefan Manegold, 22nd International Conference on Extending Database Technology (EDBT 2019, Demo Track)
- **Fair Benchmarking Considered Difficult:Common Pitfalls In Database Performance Testing.**, Mark Raasveldt, Pedro Holanda, Tim Gubner, and Hannes Mühleisen, ACM International Conference on Management of Data (SIGMOD 2018, DbTest)
- **Deep Integration of Machine Learning Into Column Stores**, Mark Raasveldt, Pedro Holanda, Hannes Mühleisen and Stefan Manegold, 21st International Conference on Extending Database Technology (EDBT 2018)
- **Don't Hold My UDFs Hostage - Exporting UDFs For Debugging Purposes**, Pedro Holanda, Mark Raasveldt and Martin Kersten, 32nd Simpósio Brasileiro de Bancos de Dados (SBBD 2017)

Curriculum Vitae

Pedro Thiago Timbó Holanda geboren op 30 July 1992 te Fortaleza/Brazilië.

2021 - Current	Post-Doc Database Architectures group Centrum van Wiskunde & Informatica (CWI) Supervised by Hannes Mühleisen
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2019 - 2019	PhD Intern Data Management, Exploration and Mining group Microsoft Research Institute
2014 - 2016	Master of Science Computing Science Universidade Federal do Paraná Supervised by Eduardo C. de Almeida
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