





Databases and Information Systems Group

Memory Diplomat

Jian-Jia Chen o Jens Teubner o Roland Kühn o Christian Hakert o Daniel Biebert





- Optimized tree layout can lead to significant performance improvements
- Improved cache and TLB behavior observable

"shaped" by...

- Adapting the approach for other (tree-like) data structures
- Including characteristics of emerging memory technologies (HBM, NVM, ...)
- Enriching memory prefetches with application specific knowledge

