C.R.E.A.M.

CACHE RULES EVERYTHING AROUND ME
Disk-Oriented Overhead
Measured CPU Cycles

- BUFFER POOL: 30%
- LOCKING: 30%
- RECOVERY: 30%
- REAL WORK: 12%

OLTP THROUGH THE LOOKING GLASS, AND WHAT WE FOUND THERE
Yahoo! Cloud Benchmark
50% Reads / 50% Writes
Anti-Caching
YCSB (2x Memory)
50% Reads / 50% Writes

15x
Future Work

• Large Memory Queries.
• Eviction Strategies
• Block Reorganization
• “No Fetch” Queries.
Conclusion

Anti-Caching