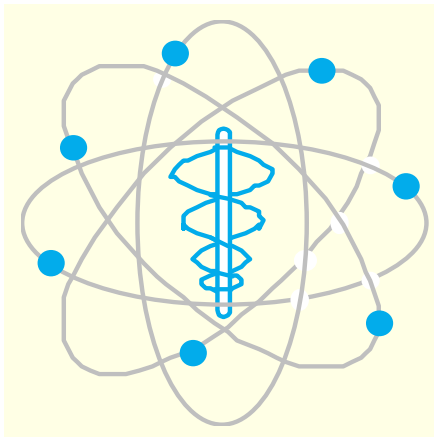


Plurix & PROCOPE



- Plurix Status Report
- PROCOPE 2004 results
- PROCOPE goals for 2005

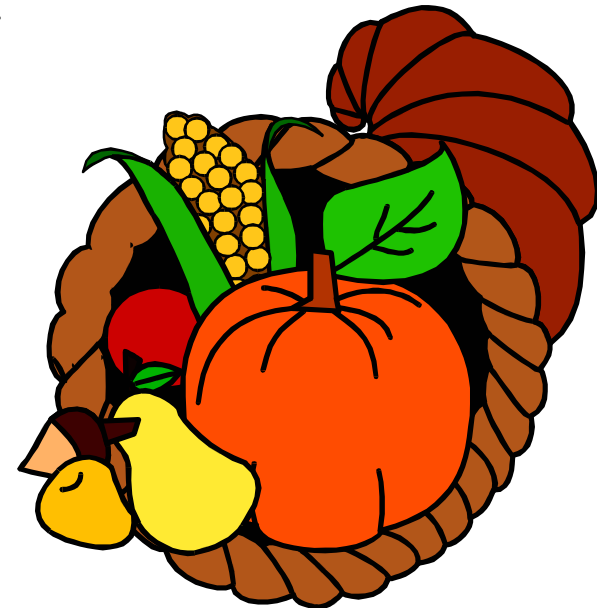
M. Schoettner, S. Frenz, R. Goeckelmann, M. Fakler, and P. Schulthess
Distributed Systems, University of Ulm, Germany

Plurix Status Report

- **Compiler:**
 - Java syntax compatibility,
 - optimizer on the way.
- **Memory Management:**
 - minor bug fixes
- **o27 in Space:**
 - interaction,
 - smooth movement, ...
- **Checkpointing & Recovery:**
 - recovery of shell & gui,
 - shutdown of page server,
 - interfaces for device recovery handling.
- **Future Work: Wide Area Networking & Linux Version.**

PROCOPE 2004 Results

- Applications: SOR, MGS, Ray Tracer.
- DSM performance comparison.
- Joint paper (EuroPar05 – still pending).
- Lessons learned from parallel applications:
 - allow transactions to commit with non-empty stack,
 - write update for barrier implementation,
 - comfortable collision monitor needed.



PROCOPE 2005 Goals

- **Goal for 2005: evaluation and comparison of checkpointing.**
- Global coordinated checkpointing.
- Tolerate multiple node failures.
- Handle cluster reconfigurations.
- Recovery of operating system and applications.
- Not enough time for more sophisticated strategies.
- Joint Paper at the end of 2005.