Derived Rules vs Theorems

- FOL from CZF, etc.
- Multiple derivations of one logic from another (FOL from ITT).
- Metaprover provides mechanisms for theory to theory operations such as multiple derivations of one logic from another (FOL from ITT).
- Metaprover has implementations of several logics within the system.
- Theory structure is in inheritance hierarchy.
- Higher-level abstraction.
- In "types theory," the makes it possible to work completely within the system.
- Gives the same sorts to "defined" types as the one that the "built-in"

New Capabilities in Metaprl

Module Theory Mechanism and Derived Rules

Overview of the Talk

October 4, 1999

Alexey Nogin

Project
Resource Annotations

Rewrites and Conditional Rewrites

Proof Browsing & Editing
Possible Projects

Concurrent and distributed refinement

we need to do better caching (which should not be too hard)

in the current implementation, the communication is the bottleneck,

why (using ensemble communication tools)

can be added and removed on-the-fly and failures are handled gracefully

Distribution is transparent to the user and fault-tolerant. Processes

sors

we've got almost linear to superlinear speed-ups on up to 5 processes