

Application Software Issues

Maple 9
&
Legacy HEP Software

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Maple 9: Issues

- rpm packages for /opt/products available
 - for maple 7, 8, 9
- version 9 has some issues:
 - default **xmaple** worksheet now **java**
 - uses java printing API (maple's own JDK is version 1.4.1)
 - this **can only print via cups** - DESY printing is LPRng ...
 - unlikely to change anytime soon
 - **workaround**: `xmaple -cw` (old Motif worksheet)
 - **CPU detection** fails on Xeons (and Opteron...)
 - SSE2 enabled plugin libs are not used
 - => some applications **may run much slower** than they could

Maple 9: What we could do



- replace *CPU detection* programme by a script that works
- latest update seems to work with a JRE version 1.4.2
 - and this can at least print on your default printer
 - hence we could *replace the JRE*
 - but this may have some side effects
 - example: GC in 1.4.2 no longer collects unused sockets - problem?
- our current *plan*:
 - provide the maple *update* with the *CPU detection fixed*
 - provide an *alternative version with JRE 1.4.2*
 - current priority: low to medium - you may change that...

Legacy HEP Software



- some groups still seem to depend on **patchy**
- some on **cmz**
- many on (yes!) **cernlib**
- ALL of those are **no longer maintained** by CERN
 - kept **available as long as they happen to work**
 - notice the source code is not available for cmz! (static binary only)
 - **not ported to any new platform**
 - there are promising new platforms just around the corner!
- => try to **rid yourselves of these dependencies**
- **do NOT use this software for any new projects**