XML in Ptolemy II

A few reasons why we did what we did and would do it again!

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Why use XML?

- Architecture independent
 - Parsers perform character set conversion
 - Transparent to software development
- Language independent
 - Does not depend on Java or C++
 - Same file format useable for Ptolemy Zero!



The Schematic Package

- Uses PTML, a syntax described using XML
- Manages almost all persistant information in Ptolemy II
 - Configuration (The domain library)
 - Actor information (The entity library)
 - Icons (The icon library)
 - and even Schematics!



Summary

- XML provides a strong, but flexible infrastructure for designing database formats tailored to a specific problem.
- Many XML tools already exist – Editors, Parsers, Browsers, etc.
- Easy to use
- Reduced development time