

# Changes in the StreamIt Infrastructure

January 29, 2007

This is for the January 29, 2007 release of the StreamIt compiler and runtime system, version 2.1.1.

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## **streamit-2.1.1**

- Snapshot release of internal infrastructure (September 2006). This snapshot has new features, bug fixes, and possibly new bugs compared to the initial public release. Major features are as follows, please contact us if you have any questions:
  - Multi-threaded backend for multicores and clusters of workstations.
  - Support for dynamic rates and teleport messaging.
  - Faster uniprocessor implementation (up to 2X).
  - Faster and more memory-efficient Java library (up to 10X).
  - MPEG-2 and JPEG applications (limited compiler support; full support in Java library).
  - Snapshot of cache optimizations and linear statespace analysis.

## **streamit-2.0**

- Initial public release (October 2003).