PARALLEL JAVA
A LIBRARY FOR SMP, CLUSTER, AND HYBRID PARALLEL PROGRAMMING IN 100% JAVA

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PARALLEL PROGRAMMING WITH PJ
- Modern Java language features for efficient use of single- and multi-core processors
- Supports both parallel and distributed programming paradigms
- Built-in support for thread pools, synchronization, and communication

CLUSTER PARALLEL PROGRAMMING WITH PJ
- Modern Java language features for efficient use of clusters
- Supports both parallel and distributed programming paradigms
- Built-in support for message passing, synchronization, and communication

HYBRID PARALLEL PROGRAMMING WITH PJ
- Modern Java language features for efficient use of both single- and multi-core processors and clusters
- Supports both parallel and distributed programming paradigms
- Built-in support for thread pools, message passing, synchronization, and communication

JAVA/PJ PROGRAMS ARE AS FAST AS C/OPENMP
- Performance benchmarks show that PJ programs can be as fast as C/OPENMP programs
- PJ supports modern Java language features, making it easier to develop parallel and distributed applications

FOR FURTHER INFORMATION
- Visit the PARALLEL JAVA website for more information and resources
- Contact Alan Kaminsky at Kaminsky@cs.rochester.edu