

Intervals: The “Glue” Between the JavaTM Language, Computing Hardware and Grids*

G. William Walster
Sun Microsystems

Intervals can become the “glue” that connects the write-once-run-anywhere JavaTM language paradigm to computing hardware and grids. The result will be JavaTM-language advantages *and* unsurpassed runtime performance. This paper describes how the properties of interval solvers will be used to logically connect JavaTM applications to generic interval solver libraries that efficiently perform the most demanding floating-point computations.

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