Subject: Re: Updated and new benchmarks
Posted by mirek on Fri, 14 Mar 2008 17:45:42 GMT

cbpporter wrote on Fri, 14 March 2008 10:52luzr wrote on Fri, 14 March 2008 13:58I have adjusted numbers in U++ vs C++ std:: benchmarks

http://www.ultimatepp.org/www$uppweb$vsstd$en-us.html

and also created a new one, this time comparing C++ with D:

http://www.ultimatepp.org/www$uppweb$vsd$en-us.html

Almost 5 times faster than GCC's std:: implementation in supposedly I/O limited benchmark and 70% faster than D... not bad

I guess we are now finaly approaching the "physical limits of silicon"

Mirek

Interesting results. What has been done to obtain an almost double performance since last time?

edit:
luzr wrote on Fri, 14 March 2008 13:56Inequality comparison of small strings are now heavily optimized, Sorting Vector<String> is now almost twice as fast (if most strings are < 15 characters).

Mirek

I've read this after my post.

Actually, this last optimization was only the last 2-7% improvement. The majority is from new String implementation, using SSO with very fast equality comparison and hash value generation.

Mirek