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Subject: StableSort revisited...

Posted by [mirek](#) on Fri, 11 Apr 2008 03:25:20 GMT

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Stable sort was reimplemented; merge-sort implementation was replaced by adaptor to standard Sort.

This has two advantages:

- Only IterSwap and comparison is now required for StableSort, this means better performance for Array and also possibility to sort polymorphic arrays
- Instead of temporary buffer of `sizeof(T) * count`, only `sizeof(int) * count` is now required.

Performance for average case is better than original U++ mergesort and on par with stl's mergesort.

Anyway, as for this kind stable sort C-style sign compare ("SgnCompare" in U++) is a bit faster, there are also introduced version ending "Cmp" that rely on this 3-state comparison predicate instead.

Mirek

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Subject: Re: StableSort revisited...

Posted by [mr\\_ped](#) on Fri, 11 Apr 2008 07:36:12 GMT

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These optimizations are going into 2008.1 too?

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Subject: Re: StableSort revisited...

Posted by [mirek](#) on Fri, 11 Apr 2008 11:41:58 GMT

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Yes.

(And yes, I agree it is wrong

Mirek

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