Subject: Re: A new container in works: Flex - fast insertion vector
Posted by sergei on Thu, 20 Sep 2007 23:52:40 GMT

luzr wrote on Fri, 21 September 2007 01:34sergei wrote on Thu, 20 September 2007 18:44Have you benched this against Array? Array should be better than Vector in insert/delete (and maybe other things) for large-sized elements (not int, something like large classes).

Sergei, I have designed Array, I am well aware about that

But you can cheat the O numbers only to some degree. Both Array and Vector have basic insertion complexity O(n), while this new beast has something like O(sqrt(N)).

Note also that once you have base Flex implemented, adding ArrayFlex is trivial..

Mirek

O(sqrt(N))? Nice... Are there downsides vs. Vector for this container (besides slightly slower on small-sized containers)? And does it basically require moveable?

P.S. Are there any sorted containers in U++, like set/multiset/map/multimap? I prefer that over GetSortOrder.