Subject: Re: Is U++ Core open for suggestions?
Posted by mirek on Thu, 09 Feb 2006 21:12:40 GMT

BTW, there were some similar movements in C++ community, try to google for "MOJO Alexandrescu" or "Hinnant r-value reference".

First one is done using current C++, but has the exactly the sortcomings we both have encountered.

Second one is C++0x proposal, unfortunately it missed the composition issue... so very likely no help from there either

In the end, the best help comes from MSC compiler bug that actually allows binding temporaries to non-const references, so it is possible to define pick_ empty for MSC and detect at least some cases.

All of that said, maintaining pick semantics is much easier than it might seem. Yes, from time to time I do encounter "pick assert failed" (runtime enforcment of pick semantics in debug mode), but generally, effort is quite simple to get things work...

Mirek