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Subject: The Boost Libraries

Posted by [Anar Manafov](#) on Wed, 23 Mar 2005 20:18:41 GMT

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Dear Developers and Guru's, have you (anyone of you) ever seriously used Boost C++ libraries?

What do you think about it?

I played a bit with it and I examined the bunch of source codes, I think the libraries are very good example of ART of Programming itself!!!!

The BOOST is the best extension of STL I've ever seen. Good documentation and amazing source codes!

The BOOST covers everything, everything which could be needed... containers, algorithms, iterators, functions and etc: <http://www.boost.org/libs/libraries.htm>

The Boost Libraries are distributed through the SourceForge file distribution system.

Quote:

The Boost web site provides free peer-reviewed portable C++ source libraries. The emphasis is on libraries which work well with the C++ Standard Library. The libraries are intended to be widely useful, and are in regular use by thousands of programmers across a broad spectrum of applications.

A further goal is to establish "existing practice" and provide reference implementations so that Boost libraries are suitable for eventual standardization. Ten Boost libraries will be included in the C++ Standards Committee's upcoming C++ Standard Library Technical Report as a step toward becoming part of a future C++ Standard.

Although Boost was begun by members of the C++ Standards Committee Library Working Group, participation has expanded to include thousands of programmers from the C++ community at large.

Quote:

How is the Boost license different from the GNU General Public License (GPL)?

The Boost license permits the creation of derivative works for commercial or non-commercial use with no legal requirement to release your source code. Other differences include Boost not requiring reproduction of copyright messages for object code redistribution, and the fact that the Boost license is not "viral": if you distribute your own code along with some Boost code, the Boost license applies only to the Boost code (and modified versions thereof); you are free to license your own code under any terms you like. The GPL is also much longer, and thus may be harder to understand.

Do you want to discuss the subject?

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Subject: Re: The Boost Libraries -- tests

Posted by [Sylwester Radomski](#) on Thu, 24 Mar 2005 10:05:05 GMT

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Hi Anar

In Your message You claim, the BOOST library have everything that could be needed.

Please check and inform us if the following is implemented:

- 1) generate random numbers from the Poisson distribution
- 2) create and draw/operate on histograms
  - divide histograms and keep errors propagation correctly
  - axes of histogram have to allow special characters
  - fit a histogram with for example, Landau distribution
  - store histograms on a file
  - draw histograms as EPostScript
- 3) give properties of a given particle type eg: mass, life time, decays modes
- 4) store objects on a files. Allow storing ~3TB of data.

Best Regards  
Sylwester Radomski

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Subject: Re: The Boost Libraries -- tests  
Posted by [Anar Manafov](#) on Thu, 24 Mar 2005 11:53:23 GMT  
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Sylwester, I so much like your style But never will understand it...

Sylwester Radomski wrote on Thu, 24 March 2005 11:05  
Hi Anar

In Your message You claim, the BOOST library have everything that could be needed.

Please check and inform us if the following is implemented:

- 1) generate random numbers from the Poisson distribution
- 2) create and draw/operate on histograms
  - divide histograms and keep errors propagation correctly
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  - store histograms on a file
  - draw histograms as EPostScript
- 3) give properties of a given particle type eg: mass, life time,

decays modes

4) store objects on a files. Allow storing ~3TB of data.

Best Regards  
Sylwester Radomski

Why don't you check it by your self and find what would be convenient/interesting for you and for you dev. team to use from the BOOST or to gain from it?  
I hope you have enough experience to read documentations and check a source code...  
If you don't find anything interesting, so... just ignore it.

I am talking about things, which are going to be standard and which are really good coded.  
Base stuff!

You are thinking as an USER, but my post was addressed to developers! To the people who is doing development of an experiment software or frameworks. To the people, who are writing extensions to the ROOT! To the people who are thinking a little bit wider and NOT just, "HOW I can store 3 TB file?:(", but to the people who think how to WRITE the wrappers which CAN make a store of 3 TB file efficient and stable... To the DEVELOPERS!!!! And to the people who are simply like to write the code!

This is what I tried to discuss: Advantages and disadvantages, which BOOST can give to developers! Problems and leaks of BOOST. New stuff which is implemented...  
Discuss how to make you software or your generic ROOT classes or base classes (as you like) look and work better may be with or without help of BOOST.

I am very sorry, If you don't understand it.

P.S. One suggestion, think a little bit wider... you are too closed I am afraid you can remain to be a programmer and not a developer I hope I am mistaken...

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Subject: Re: The Boost Libraries  
Posted by [Anar Manafov](#) on Fri, 15 Jul 2005 08:03:36 GMT  
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BOOKs:

(1)

"C++ Template Metaprogramming: Concepts, Tools, and Techniques from Boost and Beyond"

By David Abrahams, Aleksey Gurtovoy.  
Published by Addison Wesley Professional.  
Series: C++ In-Depth Series.  
<http://www.awprofessional.com/titles/0321227255>

(2)

"Boost Graph Library, The: User Guide and Reference Manual"

By Jeremy G. Siek, Lie-Quan Lee, Andrew Lumsdaine.

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Subject: Re: The Boost Libraries -- tests  
Posted by [Kilian Schwarz](#) on Wed, 14 Dec 2005 10:35:03 GMT  
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Anar,

Please try to stick to the topic and try not to become too private with your comments.

Cheers,

Kilian

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Subject: Re: The Boost Libraries -- tests  
Posted by [Anar Manafov](#) on Wed, 14 Dec 2005 11:13:05 GMT  
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Kilian Schwarz wrote on Wed, 14 December 2005 11:35Anar,

Please try to stick to the topic and try not to become too private with your comments.

Cheers,

Kilian

Kilian, is it another bunch of coal to the fire to keep the topic on the top?  
Why did you decide to moderate something which has happened 9 month ago?

Peace!

Sorry for the off-topic.

BTW, Your post is off-topic as well The moderator's warning you could send as a private message or I am on a level when only public punishment can help?

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Subject: Re: The Boost Libraries -- tests  
Posted by [Kilian Schwarz](#) on Wed, 14 Dec 2005 11:16:04 GMT  
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Hi Anar,

Sorry, I did not see that the topic was that old.  
Ok, I agree with your other comments, too.

Cheers,

Kilian

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Subject: Re: The Boost Libraries -- tests  
Posted by [Anar Manafov](#) on Wed, 14 Dec 2005 11:26:14 GMT  
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Kilian Schwarz wrote on Wed, 14 December 2005 12:16Hi Anar,

Sorry, I did not see that the topic was that old.  
Ok, I agree with your other comments, too.

Cheers,

Kilian  
Kilian, I was just joking! This is why I put smiles  
In anyway I DO appreciate your comments.

Peace!!

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