
Subject: Re: Geant4 floating point exception
Posted by [Florian Uhlig](#) on Thu, 02 Aug 2007 16:15:11 GMT
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Hi Sebastian

> I tried to just run G4 4.9 yesterday, but somehow the
> libraries seemed to have changed. I got some dynamic link
> problems.

This can be solved in changing the order of the libraries in gconfig/g4libs.
The real problem is that geant4 don't run with root 5.14.00 but
needs root 5.16.00 which enforces big changes in the framework.
So the step to geant4 9.0 is not easy to make.

> Then I looked a little bit closer to the UrbanMsc and I found > out that the error occurs when

> a) the steplength is smaller than stepmin (in
> ComputeGeomPathLength)

> and

> b) the steplength is larger than $0.05 * \text{currentRange}$ (in
> SampleCosineTheta)

I will try to ask the GEANT4 people for advice.

Ciao

Florian