
Subject: Re: Out of memory problem in EmcPoint - FairLink ?

Posted by [Ralf Kliemt](#) on Fri, 06 Aug 2010 07:57:56 GMT

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Mohammad wroteQuote:

FairModule::ExpandNode(TGeoNode*) (FairModule.cxx:293)

-> M->SetDefaultName();

Here I am not sure! the method (M->SetDefaultName()) is doing much more than setting a name, it check the type of transformation, prepend a letter corresponding to the type and finally append the index of the transformation to the current GeoManager. and in any case we are speaking about 100 kB per session. So I do not believe that this is a big problem, I agree it has to be solved but we still have much worse problems.

Hi,

I think we just could copy this function and change the way of setting the name. This would look like that:

```
void FairModule::SetDefaultMatrixName(TGeoMatrix* matrix)
{
    // Copied from root TGeoMatrix::SetDefaultName() and modified (memory leak)
    // If no name was supplied in the ctor, the type of transformation is checked.
    // A letter will be prepended to the name :
    //  t - translation
    //  r - rotation
    //  s - scale
    //  c - combi (translation + rotation)
    //  g - general (tr+rot+scale)
    // The index of the transformation in gGeoManager list of transformations will
    // be appended.
    if (!gGeoManager) return;
    if (strlen(matrix->GetName())) return;
    char type = 'n';
    if (matrix->IsTranslation()) type = 't';
    if (matrix->IsRotation()) type = 'r';
    if (matrix->IsScale()) type = 's';
    if (matrix->IsCombi()) type = 'c';
    if (matrix->IsGeneral()) type = 'g';
    TObjArray *matrices = gGeoManager->GetListOfMatrices();
    Int_t index = 0;
    if (matrices) index = matrices->GetEntriesFast() - 1;
    matrix->SetName(Form("%c%i", type, index));
}
```

Kind regards, Ralf.
