
Subject: Re: Problems with FairRootManager
Posted by [Felix Boehmer](#) on Sat, 09 Apr 2011 10:18:11 GMT
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Dear Mohammad, Dear Florian,

thank you very much for your prompt help!

I got the macro running again using FairRun::CreateGeometryFile() and setting it up as Mohammad explained.

However, to make it finally work, I had to hack FairRunAna:
FairRunAna::SetGeomFile() does NOT instantly set the gGeoManager pointer, instead it sets the fInputGeoFile. This is then used in FairRunAna::Init() to load the actual TGeoManager into memory.

The problem with this approach is that Init() can only be called once,

```
if(fIsInitialized) {  
    fLogger->Fatal(MESSAGE_ORIGIN,"Error Init is already called before!");  
    exit(-1);  
} else {  
    fIsInitialized=kTRUE;  
}
```

... and this has to happen after all Tasks have been added to FairRunAna in order to call the tasks' Init() - but reco tasks may require the geometry to be present during construction already (e.g. the KalmanTask)! One would have to call FairRunAna::Init() twice ...

Maybe I am overlooking some already present method to do this properly, but for now to make it work I hacked the setting of the gGeoManager pointer into the SetGeomFile() method of FairRunAna. I don't see a conceptual problem of doing that there, so maybe this should be changed ... what is your opinion?

Cheers and have a nice weekend!

Felix