Subject: Re: Out of memory problem in EmcPoint - FairLink ?
Posted by Dima Melnychuk on Mon, 13 Sep 2010 13:25:58 GMT

Hi all,

Since Stefano reported memory leaks caused by regular expressions - TPRegexp in PndEmcStructure, I have replaced it by sscanf (rev. 9846).

However I didn't manage to check how it affected memory leaks by myselfe.

Running

valgrind --tool=cachegrind root -b run_sim_tpccombi_dpm.C

I do not have such an informative output as reported by Stefano but just

```
 DIGI EXECUTION *********************
RealTime=247.386149 seconds, CpuTime=233.050000 seconds
(int)56
root [1] .q
==5031==
==5031== I   refs:     2,517,267
==5031== I1  misses:       2,578
==5031== L2i misses:       1,392
==5031== I1  miss rate:     0.10%
==5031== L2i miss rate:     0.05%
==5031==
==5031== D   refs:     1,291,254 (927,120 rd   + 364,134 wr)
==5031== D1  misses:      40,211 ( 37,743 rd   +  2,468 wr)
==5031== L2d misses:       6,443 (  5,450 rd   +    993 wr)
==5031== D1  miss rate:      3.1% (   4.0%    +    0.6%  )
==5031== L2d miss rate:      0.4% (   0.5%    +    0.2%  )
==5031==
==5031== L2 refs:         42,789 ( 40,321 rd   +  2,468 wr)
==5031== L2 misses:        7,835 (  6,842 rd   +    993 wr)
==5031== L2 miss rate:      0.2% (   0.1%    +    0.2%  )
```

I suspected that it was due to external packages compiled without debug info, but I recomplied it with debug info and it didn't help. Maybe I don't run valgrind with proper flag?

Dima