
Subject: Re: Out of memory problem in EmcPoint - FairLink ?
Posted by [Dima Melnychuk](#) on Mon, 13 Sep 2010 13:25:58 GMT
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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 recompiled it with debug info and it didn't help. Maybe I don't run valgrind with proper flag?

Dima
