
Subject: Re: Macros for Mvd+Stt Pattern Recognition
Posted by [Gianluigi Boca](#) on Fri, 17 Dec 2010 12:51:18 GMT
[View Forum Message](#) <> [Reply to Message](#)

Stefano Spataro wrote on Thu, 16 December 2010 10:02Hi Gianluigi,
I have run the full sim chain in macro/pid, simulating 10k events with DPM to check the stability.

Everything is fine up to the stt pattern recognition (PndSttTrackFinderReal).
Once I add PndSttMvdTracking I have the system hanging on a well defined event (7434) for hours and then closing the root.
I have tried two times with the same effect.

This is the last message I got:

Found Tracks: 0 in event no. 7431

Found Tracks: 0 in event no. 7432

Found Tracks: 0 in event no. 7433

Warning: numerical instability (primal simplex, phase II)

Found Tracks: 0 in event no. 7434

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad)
is 3.454

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad)
is 3.454

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad)
is 3.454

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad)
is 3.454

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad)
is 3.454

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad)
is 3.454

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad)
is 3.454

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad)
is 3.454

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad)
is 3.454

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad)
is 3.454

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad)
is 3.454

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad)
is 3.454

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad)
is 3.454

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad)
is 3.454

something fishy is going on in PndSttTrkAssociatedParallelHitsToHelixQuater!Range in Fi (rad) is 3.454

Hi Stefano,

this is only to let the collaboration know that after we discussed on the phone, and after your attempts last night, it seems clear that the hanging of the program at events 7434 is caused by a memory leak.

Instead the messages : "something fishy is going on etc.etc." should never occur in principle.

For that purpose I sent you a modified version of PndSttTrkAssociatedParallelHitsToHelixQuater with some printouts added, in order to try understand this problem.

Gianluigi
