
Subject: Re: geane propagation

Posted by [Sebastian Neubert](#) on Wed, 23 Jan 2008 15:39:39 GMT

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Ok now was too intimidated

Looking closer I see that indeed there happens an error in GEANE somehow and then I get out a zero state.

The initialization seems to work. There are valid(?) parameters fed to Geane.

Andrea could you check this:

```
(qp=-2 Dqp=0.1834
TV=0.8391 DTV=0.1526
TW=-0.001362 DTW=0.02911
V=0 DV=0.8391
W=0 DW=1)
```

Cardinal Rep before Fit

```
+++++
AbsTrackRep::Parameters at reference plane DetPlane: O(0.001,0.001,0.001) u(1,0,0) v(0,1,0)
AbsTrackRep::State
```

5x1 matrix is as follows

```
  | 0 |
-----
0 | -2
1 | 0.8391
2 | -0.001362
3 | 0
4 | 0
```

AbsTrackRep::Covariances

5x5 matrix is as follows

```
  | 0 | 1 | 2 | 3 | 4 |
-----
0 | 0.03364 -0.003742 2.434e-05 0 0
1 | -0.003742 0.0233 -1.789e-05 1.788e-05 -2.902e-08
2 | 2.434e-05 -1.789e-05 0.0008471 0.01102 -1.788e-05
3 | 0 1.788e-05 0.01102 0.7041 -0.001142
4 | 0 -2.902e-08 -1.788e-05 -0.001142 1
```

AbsTrackRep::chi^2

```
0
+++++
```

Before prop:

++++
AbsTrackRep::Parameters at reference plane DetPlane: O(0.001,0.001,0.001) u(1,0,0) v(0,1,0)
AbsTrackRep::State

5x1 matrix is as follows

	0
0	-2
1	0.8391
2	-0.001362
3	0
4	0

AbsTrackRep::Covariances

5x5 matrix is as follows

	0	1	2	3	4
0	0.03364	-0.003742	2.434e-05	0	0
1	-0.003742	0.0233	-1.789e-05	1.788e-05	-2.902e-08
2	2.434e-05	-1.789e-05	0.0008471	0.01102	-1.788e-05
3	0	1.788e-05	0.01102	0.7041	-0.001142
4	0	-2.902e-08	-1.788e-05	-0.001142	1

AbsTrackRep::chi^2

0

++++

qp=-2 Dqp=0.1834
TV=0.8391 DTV=0.1526
TW=-0.001362 DTW=0.02911
V=0 DV=0.8391
W=0 DW=1
*** S/R ERPROP IERR = 2

*** Error in subr. TRPROP 2 called bysubr. ERPROP

After prop:

5x1 matrix is as follows

	0
0	0
1	0
2	0
3	0
4	0

