
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	

