
Subject: Re: still trouble with Geane

Posted by [Anonymous Poster](#) on Mon, 20 Apr 2009 14:21:46 GMT

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Hi again,

now for my diffs of the fortran code:

```
--- .././../fairsoft_orig/transport/geant3/erpremc/trscsd.F 2008-06-19 08:35:10.000000000
+0200
```

```
+++ erpremc/trscsd.F 2009-04-11 16:04:46.000000000 +0200
```

```
@@ -145,11 +145,13 @@ C
```

```
    DO 25 I=1,5
```

```
        DO 20 K=I,5
```

```
            J=J+1
```

```
+        IF(ABS(S(J)).GT.1E30) GOTO 901
```

```
            RD(J)=S(J)
```

```
    20    CONTINUE
```

```
    25    CONTINUE
```

```
C
```

```
    RETURN
```

```
+ 
```

```
C
```

```
C *** ERROR EXITS
```

```
C
```

```
--- .././../fairsoft_orig/transport/geant3/erpremc/trsdsc.F 2008-06-19 08:35:10.000000000
+0200
```

```
+++ erpremc/trsdsc.F 2009-04-11 16:05:01.000000000 +0200
```

```
@@ -73,6 +73,7 @@ C
```

```
    5 CONTINUE
```

```
C
```

```
    PC(1)=PD(1)
```

```
+    IF(ABS(TN(3)).GT.1) GOTO 99
```

```
    PC(2)=ASIN(TN(3))
```

```
    IF (ABS (TN(1)) .LT. 1.E-30) TN(1) = 1.E-30
```

```
    PC(3) = ATAN2 (TN(2),TN(1))
```

```
@@ -135,11 +136,14 @@ C
```

```
    DO 25 I=1,5
```

```
        DO 20 K=I,5
```

```
            J=J+1
```

```
+        IF(ABS(S(J)).GT.1E30) GOTO 99
```

```
            RC(J)=S(J)
```

```
    20    CONTINUE
```

```
    25    CONTINUE
```

```
C
```

```
    RETURN
```

```
+ 99  IERR=1
```

```
+    RETURN
```

```
C
```

```
C *** ERROR EXITS
```

```
C
```

And finally the ertrak.F file. But please remember: I dont have the possibility to bring the IERR out of the trsxsx.F routines to the outside world, this is why I encode the crash information in the x2 (final point). But I think you can solve this with the interface. Honestly, I just lack the skills....

```
--- ../../fairsoft_orig/transport/geant3/erdecks/ertrak.F 2008-06-19 08:35:21.000000000 +0200
+++ erdecks/ertrak.F 2009-04-11 16:05:18.000000000 +0200
@@ -162,9 +162,17 @@
    CALL VZERO (DUM,15)
    CALL TRSCSD (ERPIN(1), DUM(1),  ERPIN(1), DUM(1),  HI(1),
+      CHARGE, IERR, SPU, ERPLI(1,1), ERPLI(1,2))
+  IF(IERR.NE.0) THEN
+    x2(1)=-1E30;
+    GOTO 99
+  ENDIF
  IF (LEONLY) GOTO 35
  CALL TRSDSC (ERPIN(1), ERRIN(1), DUM(1),  ERRIN(1), HI(1),
+    CHARGE, IERR, SPU, ERPLI(1,1), ERPLI(1,2))
+  IF(IERR.NE.0) THEN
+    x2(1)=-1E30;
+    GOTO 99
+  ENDIF
  DO 29 I = 1, 5
    DO 28 J = 1, 5
      ASDSC(I,J) = A(I,J)
```

These diffs are made with diff -rup, so you can copy pase them to a file and I apply them with the patch comman if you wish. But they are so little that it'll be better to implement them yourself.

Cheers, Christian
