

ADAS Subroutine xip

```
FUNCTION XIP (XI, DELTA)
C
C   IMPLICIT REAL*8 (A-H,O-Z)
C
C-----
C
C ***** FORTRAN77 FUNCTION: XIP *****
C
C PURPOSE UNKNOWN
C
C NOTES: THIS ROUTINE IS NOT YET PROPERLY ANNOTATED
C
C UNIX-IDL PORT:
C
C VERSION: 1.1                               DATE: 16-1-96
C MODIFIED: TIM HAMMOND (TESSELLA SUPPORT SERVICES PLC)
C           - FIRST VERSION
C
C-----
C
C   XM=DABS (XI)
C   X1=3.142*(DELTA+0.25+0.03125/(DELTA+0.5))*DEXP(-2.0*DELTA
1 +1.1416*(XM+XM*XM)/(1.0+0.6*XM+3.0*XM*XM/(6.0+2.0*DELTA))
C   X2=3.0/(XM+3.0)
C   X3=0.2/(XM+0.4)
C   XIP=X1*(1.0-X2+X2*X2+X3-2.0*X3*X3)
C   IF (XI) 1, 2, 2
1 XIP=XIP*DEXP(6.283*XI)
2 CONTINUE
C   RETURN
C   END
REAL*8           DELTA,           XI
```