

ADAS Subroutine xypint

```
subroutine xypint(ndim, xa, ya, x, y)
```

```
C-----
C
C ***** FORTRAN77 FUNCTION: XYPINT *****
C
C PURPOSE: Order ndim polynomial interpolation.
C
C CALLING PROGRAM: adas408
C
C FUNCTION:
C
C input : (i*4) ndim = number of entries in input arrays.
C input : (r*8) xa = independent variable.
C input : (r*8) ya = dependent variable.
C input : (r*8) x = use requested x value.
C output: (r*8) y = interpolated y value.
C
C NOTES: Assume the starting value for y is ya(2).
C Based on polint.for of Numerical Recipes.
C
C ROUTINES:
C ROUTINE SOURCE BRIEF DESCRIPTION
C -----
C i4unit ADAS Fetch unit number for message output
C
C
C VERSION : 1.1
C DATE : 23-07-2003
C MODIFIED : Martin O'Mullane
C - First version.
C-----
C
C INTEGER NDIM
C REAL*8 X, XA(NDIM), Y
C REAL*8 YA(NDIM)
```