

ADAS Subroutine fsplin

```
SUBROUTINE FSPLIN(N,X,F,B,H,M,XNEW,FSPL)
```

```
IMPLICIT REAL*8 (A-H,O-Z)
```

```
C-----
```

```
C   PURPOSE: Calculates M values of function FSPL(XNEW)  
C             using spline approximation
```

```
C-----
```

```
C
```

```
C ADAS305 version. Developed from JETSHP.STARK.FORT (H P Summers).
```

```
C
```

```
C VERSION   : 1.1
```

```
C DATE      : 24-02-2005
```

```
C MODIFIED  : Martin O'Mullane
```

```
C           - First version.
```

```
C
```

```
C VERSION   : 1.2
```

```
C DATE      : 16-05-2007
```

```
C MODIFIED  : Allan Whiteford
```

```
C           - Updated comments as part of subroutine documentation  
C             procedure.
```

```
C
```

```
C-----
```

```
INTEGER
```

```
    M,
```

```
    N
```

```
REAL*8
```

```
    B(N),
```

```
    F(N),
```

```
    FSPL(M),
```

```
    H(N)
```

```
REAL*8
```

```
    X(N),
```

```
    XNEW(M)
```