

## ADAS Subroutine ass2

```
C
      subroutine ass2( x1      , h      , x      , f0      , f1      ,
&                    g0      , g1      , ei     , ej     , tkij   ,
&                    li     , lj     , z      , ni     , rem    ,
&                    )
C-----
C
C ***** fortran77 subroutine: ass2 *****
C
C purpose:  calculate asymptotic part of integrals over wave functions
C
C
C subroutine:
C
C input : (r*8)  x1
C input : (r*8)  h
C input : (r*8)  x
C input : (r*8)  f0
C input : (r*8)  f1
C input : (r*8)  g0
C input : (r*8)  g1
C input : (r*8)  ei
C input : (r*8)  ej
C input : (r*8)  tkij
C input : (i*4)  li
C input : (i*4)  lj
C input : (r*8)  z
C input : (i*4)  ni
C
C output: (r*8)  rem
C
C routines:
C      none
C
C author:  h. p. summers, university of strathclyde
C          ja7.08
C          tel. 0141-548-4196
C
C date:    06/06/02
C
C update:
C
C VERSION: 1.1                      DATE: 04-07-96
C MODIFIED: WILLIAM OSBORN
C          - FIRST VERSION.
C
C VERSION: 1.2                      DATE: 19-12-01
C MODIFIED: Martin O'MULLANE
C          - Removed junk from > column 72.c
C
C VERSION: 1.3                      DATE: 18-03-03
C MODIFIED: Hugh Summers
```

C -Re-written and documented.

C

c-----

c-----

INTEGER	LI,	LJ,	NI	
REAL*8	EI,	EJ,	F0,	F1
REAL*8	G0,	G1,	H,	REM
REAL*8	TKIJ,	X,	X1,	Z