

ADAS Subroutine ass

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C
      subroutine ass(a10,a1,a20,a2,phi1,phi2,x,n,e1,e2,nmax,rem)
C-----
C
C **** fortran77 subroutine: ass ****
C
C purpose: calculates asymptotic integrals using power series modules
C
C
C subroutine:
C
C   input : (r*8)  a10
C   input : (r*8)  a1
C   input : (r*8)  a20
C   input : (r*8)  a2
C   input : (r*8)  phi1
C   input : (r*8)  phi2
C   input : (r*8)  x
C   input : (i*4)   n
C   input : (r*8)  e1
C   input : (r*8)  e2
C   input : (i*4)  nmax
C
C   output: (r*8)  rem
C
C
C routines:
C       routine      source      brief description
C       -----
C       dnaq        adas
C       dnprod      adas
C       i4unit      adas      fetch unit number for output of messages
C
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C
C date:   06/06/02
C
C update:

C VERSION: 1.1                      DATE: 04-07-96
C MODIFIED: WILLIAM OSBORN
C           - FIRST VERSION.
C VERSION: 1.2                      DATE: 19-12-01
C MODIFIED: Martin O'MULLANE
C           - Removed junk from > column 72.
C
C VERSION: 1.3                      DATE: 18-03-03
C MODIFIED: Hugh Summers
C           - re-written and documented
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INTEGER	N,	NMAX		
REAL*8	A1(20),	A10,	A2(20),	A20
REAL*8	E1,	E2,	PHI1,	PHI2
REAL*8	REM,	X		