ADAS Subroutine cxpprd

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      SUBROUTINE CXPPRD( MXTERM ,
     &                   A      , NA      , IPA     ,
     &                   B      , NB      , IPB     ,
     &                   C      , NC      , IPC
     &                 )
C
C
C-----------------------------------------------------------------------
C
C  ***************** FORTRAN77 SUBROUTINE: CXPPRD *********************
C
C  PURPOSE: CALCULATES PRODUCT OF TWO POWER SERIES OF THE FORM:
C
C          X**IPA * ( A(1) + X * A(2) + .... )
C                    <------ NA TERMS ------>
C
C  CALLING PROGRAM: ADAS308.
C
C  INPUT : (I*4)  MXTERM = MAXIMUM NUMBER OF TERMS.
C  INPUT : (I*4)  NA     = NUMBER OF TERMS IN FIRST POWER SERIES.
C  INPUT : (I*4)  IPA    = POWER OF LEADING TERM IN FIRST SERIES.
C  INPUT : (R*8)  A()    = POWER SERIES COEFFICIENTS IN FIRST SERIES.
C  INPUT : (I*4)  NB     = NUMBER OF TERMS IN SECOND POWER SERIES.
C  INPUT : (I*4)  IPB    = POWER OF LEADING TERM IN SECOND SERIES.
C  INPUT : (R*8)  B()    = POWER SERIES COEFFICIENTS IN SECOND SERIES.
C
C  OUTPUT: (I*4)  NC     = NUMBER OF TERMS IN POWER SERIES.
C  OUTPUT: (I*4)  IPC    = POWER OF LEADING TERM.
C  OUTPUT: (R*8)  C()    = POWER SERIES COEFFICIENTS.
C
C          (I*4)  I      = LOOP INDEX.
C          (I*4)  J      = LOOP INDEX.
C          (I*4)  JU     = LOOP LIMIT.
C          (I*4)  JL     = LOOP LIMIT.
C
C          (R*8)  X      = STORE FOR SUM WHEN CALCULATING C(I).
C
C ROUTINES: NONE
C
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C           K1/0/81
C           JET EXT. 5183
C
C DATE:     01/10/93
C
C-----------------------------------------------------------------------
C
C-----------------------------------------------------------------------
      INTEGER          IPA,      IPB,      IPC,       MXTERM
      INTEGER          NA,       NB,       NC
      REAL*8           A(MXTERM), B(MXTERM), C(MXTERM)
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