# ADAS Subroutine xxmmul

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      SUBROUTINE XXMMUL( NR , NRC , NC , A , B , C )
C
C
C-----------------------------------------------------------------------
C
C  ***************** FORTRAN77 SUBROUTINE: XXMMUL ********************
C
C  PURPOSE: MULTIPLIES TWO MATRICES.
C
C  CALLING PROGRAM: GENERAL USE.
C
C  INPUT : (I*4)  NR      = NO. OF ROWS IN MATRICES 'A' AND 'C'.
C  INPUT : (I*4)  NRC     = NO. OF COLUMNS IN MATIX 'A' AND ROWS IN
C                           MATIRX 'B'.
C  INPUT : (I*4)  NC      = NO. OF COLUMNS IN MATRICES 'B' AND 'C'.
C  INPUT : (R*8)  A(,)    = FIRST MATRIX STORED AS A LINEAR VECTOR BY
C                           COLUMN.
C                             1ST DIMENSION: NR
C                             2ND DIMENSION: NRC
C  INPUT : (R*8)  B(,)    = SECOND MATRIX STORED AS A LINEAR VECTOR BY
C                           COLUMN.
C                             1ST DIMENSION: NRC
C                             2ND DIMENSION: NC
C
C  OUTPUT: (R*8)  C(,)    = RESULT MATRIX STORED AS LINEAR VECTOR BY
C                           COLUMN.
C                             1ST DIMENSION: NR
C                             2ND DIMENSION: NC
C                             DIMENSION: MXTERM
C
C         (I*4)  I       = LOOP INDEX.
C         (I*4)  J       = LOOP INDEX.
C         (I*4)  K       = LOOP INDEX.
C
C ROUTINES: NONE
C
C AUTHOR:  JONATHAN NASH (TESSELLA SUPPORT SERVICES PLC)
C          K1/0/81
C          JET EXT. 5183
C
C DATE:    10/11/93
C
C UNIX-IDL PORT:
C
C AUTHOR:  WILLIAM OSBORN (TESSELLA SUPPORT SERVICES PLC)
C
C DATE:    22ND MAY 1996
C
C VERSION: 1.1                       DATE: 22-05-96
C MODIFIED: WILLIAM OSBORN
C               - FIRST VERSION. IBM VERSION NOT CHANGED
C
```

```
C----------------------------------------------------------------------
C
C----------------------------------------------------------------------
      INTEGER            NC,        NR,        NRC
      REAL*8             A(NR,NRC), B(NRC,NC), C(NR,NC)
```