ADAS Subroutine xxmino

```
      SUBROUTINE XXMINO( ND , A , B )
C
C
C-----------------------------------------------------------------------
C
C  ****************** FORTRAN77 SUBROUTINE: XXMINO *********************
C
C  PURPOSE: INVERTS A MATRIX.
C
C  CALLING PROGRAM: GENERAL USE.
C
C  INPUT : (I*4)  ND      = DIMENSION OF MATRICES 'A' AND 'B'.
C  INPUT : (R*8)  A(,)    = MATRIX TO BE INVERTED.
C                           1ST DIMENSION: ND
C                           2ND DIMENSION: ND
C
C  OUTPUT: (R*8)  B(,)    = INVERTED MATRIX.
C                           1ST DIMENSION: ND
C                           2ND DIMENSION: ND
C
C
C          (I*4)  I       = LOOP INDEX.
C          (I*4)  J       = LOOP INDEX.
C
C          (R*8)  DINT    = DUMMY ARGUMENT TO 'XXMINV'.
C
C          (L*4)  LSOLVE  = .FALSE. => 'XXMINV' ONLY INVERTS MATRIX.
C
C  OUTPUT: (R*8)  DUM()   = DUMMY ARGUMENT TO 'XXMINV'.
C                           DIMENSION: ND
C
C ROUTINES:
C          ROUTINE    SOURCE    BRIEF DESCRIPTION
C          ------------------------------------------------------------
C          XXMINV     ADAS      BOTH INVERTS A MATRIX AND SOLVES A SET
C                               OF SIMULTANEOUS LINEAR EQUATIONS.
C
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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              ND
      REAL*8               A(ND,ND),     B(ND,ND)
```