

ADAS Subroutine xxword

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      SUBROUTINE XXWORD( CTEXT , CDELIM , NFIRST ,  
&                      IWORDS ,  
&                      IFIRST , ILAST , NWORDS  
&                      )
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C  
C ***** FORTRAN77 SUBROUTINE: XXWORD *****  
C  
C PURPOSE: TO EXTRACT THE Nfirst to (Nfirst+IWORDS-1) WORDS FROM AN  
C           INPUT STRING. OUTPUTS THE FIRST AND LAST BYTE INDEXES OF  
C           EACH WORD AS WELL AS THE TOTAL NUMBER OF WORDS FOUND.  
C  
C           A WORD = A STRING OF CHARACTERS SEPARATED BY ANY CHARACTER  
C                   CONTAINED IN THE INPUT STRING CDELIM.  
C  
C CALLING PROGRAM: GENERAL USE  
C  
C SUBROUTINE:  
C  
C INPUT : (C*(*)) CTEXT  = INPUT TEXT LINE CONTAINING STRING  
C INPUT : (C*(*)) CDELIM = INPUT STRING CONTAINING DELIMITER CHARS.  
C INPUT : (I*4)   NFIRST  = THE INDEX NO. OF THE FIRST WORD TO EXTRACT.  
C  
C I/O   : (I*4)   IWORDS  = INPUT : SIZE OF IFIRST, ILAST (ARRAYS)  
C                               (I.E. NUMBER OF WORDS TO EXTRACT)  
C                               = OUTPUT: NUMBER OF REQUESTED WORDS FOUND  
C  
C OUTPUT: (I*4)   IFIRST() = INDEX OF FIRST BYTE OF THE Nth WORD  
C OUTPUT: (I*4)   ILAST()  = INDEX OF LAST  BYTE OF THE Nth WORD  
C OUTPUT: (I*4)   NWORDS   = THE TOTAL NUMBER OF WORDS FOUND IN CTEXT  
C  
C           (I*4)   LENTXT  = LENGTH IN BYTES OF 'CTEXT' STRING  
C           (I*4)   IDELIM  = 0 => CTEXT CHARACTER IS NOT A DELIMITER  
C                               > 0 => CTEXT CHARACTER IS A DELIMITER  
C           (I*4)   ITOTAL  = NUMBER OF WORDS FOUND SO FAR  
C           (I*4)   IINDEX  = IFIRST()/ILAST() INDEX OF CURRENT WORD  
C           (I*4)   NLAST   = THE INDEX NO. OF THE LAST WORD TO EXTRACT  
C           (I*4)   I       = GENERAL USE INDEX  
C  
C           (L*4)   LWORD   = .TRUE.  - PROCESSING AN IDENTIFIED WORD  
C                               .FALSE. - PROCESSING SPACE BETWEEN WORDS  
C  
C ROUTINES: NONE  
C  
C NOTES:      IF THERE IS NO Nfirst WORD OR NO WORDS ARE FOUND  
C              (I.E. INPUT STRING IS BLANK) THEN IWORDS=0  
C  
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C            JET EXT. 5023  
C  
C DATE:      20/05/93
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C

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CHARACTER* (*)

CDELIM, CTEXT

INTEGER

IFIRST (IWORDS),

ILAST (IWORDS)

INTEGER

IWORDS, NFIRST,

NWORDS