

ADAS Subroutine b7lrat

```
SUBROUTINE B7LRAT( EM1      , EM2      ,  
&                  RMIN      , RMAX      ,  
&                  RAT  
&                  )
```

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C-----  
C  
C ***** FORTRAN77 SUBROUTINE: B7LRAT *****  
C  
C PURPOSE: TO CALCULATE THE SPECTRUM-LINE INTENSITY RATIO FOR TWO  
C          COMPOSITE LINES FROM THEIR INDIVIDUAL SPECTRUM LINE  
C          INTENSITIES.  
C  
C          INTENSITIES AT FIXED TEMPERATURE AND DENSITY. 'RMIN'  
C          AND 'RMAX' CONTAIN MINIMUM AND MAXIMUM RATIO VALUES.  
C  
C CALLING PROGRAM: ADAS207  
C  
C SUBROUTINE:  
C  
C INPUT : (R*8)  EM1      = FIRST COMPOSITE ASSEMBLY SPECTRUM-LINE  
C              INTENSITY, AT FIXED TEMPERATURE & DENSITY.  
C INPUT : (R*8)  EM2      = SECOND COMPOSITE ASSEMBLY SPECTRUM-LINE  
C              INTENSITY, AT FIXED TEMPERATURE & DENSITY.  
C  
C I/O   : (R*8)  RMIN     = MINIMUM SPECTRUM-LINE INTENSITY RATIO VALUE  
C I/O   : (R*8)  RMAX     = MAXIMUM SPECTRUM-LINE INTENSITY RATIO VALUE  
C  
C OUTPUT: (R*8)  RAT      = SPECTRUM-LINE INTENSITY RATIO  
C  
C  
C ROUTINES: NONE  
C  
C AUTHOR:  PAUL E. BRIDEN (TESSELLA SUPPORT SERVICES PLC)  
C          K1/0/81  
C          JET EXT. 4569  
C  
C DATE:    09/10/90  
C  
C VERSION: 1.2  
C DATE:    20-07-07  
C MODIFIED: Allan Whiteford  
C          - Small modification to comments to allow for automatic  
C          documentation preparation.  
C-----  
C  
C          REAL*8          EM1,          EM2,          RAT,          RMAX  
C          REAL*8          RMIN
```