

## ADAS Subroutine r8ah

FUNCTION R8AH ( NU , LU , NL , LL )

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C \*\*\*\*\* FORTRAN77 REAL\*8 FUNCTION: R8AH \*\*\*\*\*

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C PURPOSE: CALCULATES A-VALUES FOR HYDROGEN.

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C CALLING PROGRAM: GENERAL USE

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C FUNC: (R\*8) R8AH = HYDROGEN A-VALUE.

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C INPUT: (I\*4) NU = UPPER VALUE OF N QUANTUM NUMBER.

C INPUT: (I\*4) LU = UPPER VALUE OF L QUANTUM NUMBER.

C INPUT: (I\*4) NL = LOWER VALUE OF N QUANTUM NUMBER.

C INPUT: (I\*4) LL = LOWER VALUE OF L QUANTUM NUMBER.

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C PARAM: (R\*8) P1 = EQUATION CONSTANT.

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C (R\*8) XNU = REAL VALUE = NU.

C (R\*8) XLU = REAL VALUE = LU.

C (R\*8) XNL = REAL VALUE = NL.

C (R\*8) XLL = REAL VALUE = LL.

C (R\*8) T1 =

C (R\*8) DE =

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C ROUTINES:

C ROUTINE SOURCE BRIEF DESCRIPTION

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C R8RD2B ADAS RETURNS HYDRONIC BOUND-BOUND RADIAL  
C INTEGRAL.

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C K1/0/81

C JET EXT. 5183

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INTEGER

LL,

LU,

NL,

NU