

ADAS Subroutine c8chrg

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      SUBROUTINE C8CHRG( SYMBD , IZD   , SYMBR , IZR   , IDZ0  ,  
&                      IRZ0  , IRZ1  , IRZ2  
&                      )
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C ***** FORTRAN77 SUBROUTINE: C8CHRG *****

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C PURPOSE: SETS UP NUCLEAR CHARGE OF DONOR AND NUCLEAR, INITIAL AND
C FINAL CHARGES OF RECEIVER. CHECKS VALIDITY OF RECEIVER
C CHARGES.

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C CALLING PROGRAM: ADAS308

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C INPUT : (C*2) SYMBD = DONOR ELEMENT SYMBOL.

C INPUT : (I*4) IZD = DONOR ION CHARGE.

C INPUT : (C*2) SYMBR = RECEIVER ELEMENT SYMBOL.

C INPUT : (I*4) IZR = RECEIVER ION CHARGE.

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C OUTPUT: (I*4) IDZ0 = DONOR NUCLEAR CHARGE.

C OUTPUT: (I*4) IRZ0 = RECEIVER NUCLEAR CHARGE.

C OUTPUT: (I*4) IRZ1 = RECEIVER ION INITIAL CHARGE.

C OUTPUT: (I*4) IRZ2 = RECEIVER ION FINAL CHARGE.

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C ROUTINES:

ROUTINE	SOURCE	BRIEF DESCRIPTION
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I4UNIT	ADAS	RETURNS UNIT NO. FOR OUTPUT MESSAGES
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CXCHRG	ADAS	RETURNS DONOR NUCLEAR CHARGE AND RECEIVER NUCLEAR, INITIAL AND FINAL CHARGES.
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C K1/0/81

C JET EXT. 5183

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CHARACTER*2	SYMBD,	SYMBR		
INTEGER	IDZ0,	IRZ0,	IRZ1,	IRZ2
INTEGER	IZD,	IZR		