

## ADAS Subroutine cxchrg

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      SUBROUTINE CXCHRG( SYMBD , IZD   , SYMBR , IZR   , IDZ0  ,  
&                      IRZ0  , IRZ1  , IRZ2  
&                      )
```

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C \*\*\*\*\* FORTRAN77 SUBROUTINE: CXCHRG \*\*\*\*\*

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

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C CALLING PROGRAM: C6CHRG , 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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I4IEZ0	ADAS	RETURNS THE NUCLEAR CHARGE GIVEN THE ELEMENT SYMBOL.
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XXSTUC	ADAS	ENSURES ALL LETTERS IN STRING ARE UPPER CASE.
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C DATE: 11/11/93

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