

## ADAS Subroutine init

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SUBROUTINE INIT( ELEM, NION, NIONS, IZ,  
&                SQI ,SEQ  ,IZ0, SPEC)
```

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C \*\*\*\*\* FORTRAN77 SUBROUTINE: DCISPF \*\*\*\*\*

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C PURPOSE: DETERMINATION OF CHARGE OF THE SELECTED ION AND OBTAIN  
C SPECTROSCOPIC NOTATION.

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C CALLING PROGRAM: ADAS412

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C INPUT:

C

C (C\*2) ELEM : SELECTED ELEMENT.

C

C (I\*4) NIONS : NUMBER OF SELECTED IONS.

C

C (I\*4) IZ(NION): CHARGES OF THE SELECTED IONS.

C

C OUTPUT:

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C (C\*2) SQI(NION): ISO-ELECTRONIC SEQUENCE - EG LI.

C

C (C\*7) SEQ(NION): ISO-ELECTRONIC SEQUENCE - EG Li-like.

C

C (I\*4) IZ0: NUCLEAR CHARGE.

C

C (C\*11) SPEC(NIONS): ION IN SPECTROSCOPIC NOTATION.

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C AUTHOR: RICHARD MARTIN, UNIVERSITY OF STRATHCLYDE, OCTOBER 1997

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C - RE-ORDERED VARIABLE DECLARATIONS.

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CHARACTER*2	ELEM			
CHARACTER*7	SEQ(NION)			
CHARACTER*11	SPEC(NION)			
CHARACTER*2	SQI(NION)			
INTEGER	IZ(NION),	IZ0,	NION,	NIONS