
Subject: Re: FORTRAN -> IDL

Posted by [rivers](#) on Sun, 11 Jan 1998 08:00:00 GMT

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In article <34B9133C.3E4E6636@linmpi.mpg.de>, Kevin Ivory <Kevin.Ivory@linmpi.mpg.de> writes:

> Kelly Dean wrote:

>>

>> I am converted some FORTRAN code into IDL, but I am confused what this

>> FORTRAN statment "SINE(X)=SIN(.01745329*X) " in this function is trying

>> to do.

>

> It looks like it takes the angle in degrees X, calculates the sine

> and puts it into the Xth array element of the array SINE.

> Something like IDLs

> sine = sin(!dtr * x)

> where both x and sine are arrays.

No, I think this is what is called a "Statement Function" in FORTRAN. It is basically a 1-line function definition. This one says that SINE(X) is the same as SIN(X), except that it takes its argument in degrees rather than radians.

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