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Subject: FORTRAN -> IDL

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

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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.

```
FUNCTION GETDIST (HEIGHT,ANGLE,ZENANG,SLANT)
```

```
DATA RAD/3437.748/
```

```
SINE(X)=SIN(.01745329*X)
```

```
ARCSIN(X)=57.29578*ASIN(X)
```

```
ANG=ABS(ANGLE)
```

```
FAC=SINE(ANG)/RAD
```

```
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.
.
```

Any hints?

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