

TAN --Function--Tangent

TAN

Format

TAN(numeric-expression)

Type

REAL

Cross Reference

ATN,COS,SIN

Description

The TAN function returns the tangent of the angle whose measurement in radians is the value of the numeric-expression.

The numeric-expression cannot be less than $-1.5707963269514E10$ or greater than $1.5707963266374E10$.

To convert the measure to radians, multiply by $\pi/180$.

Program

The following program gives the tangent for each of several angles.

```
100 A=.7853981633973
110 B=26.5650511177
120 C=45*PI/180
130 PRINT TAN(A);TAN(B)
140 PRINT TAN(B*PI/180)
150 PRINT TAN(C)
RUN
1. 7.17470553
.5
1
```