

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  $1.5707963269514E10$ .

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
```