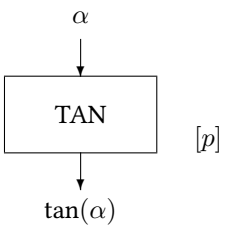
Block TAN

The TAN block returns the tangent of its input.





Name	TAN
Function	fb0007
Inputs	1
Outputs	1
Parameters	0 . . . [1]
Strings	0
Group	S

Inputs

1 Any angle α

Outputs

1 Tangent of α

Parameters

1 Degrees / radians switch p. If p is set to 0 (default) α is interpreted in degrees. If p is set to 1 α is interpreted in radians.

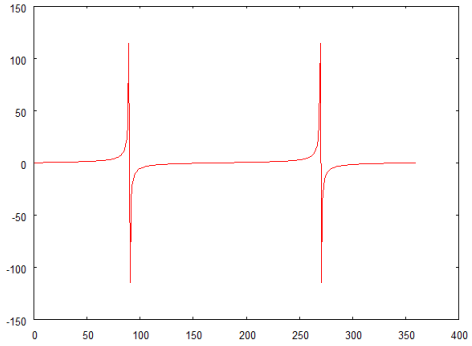
Strings

None

tan.vseit



A DO block varies α from 0.5 (in order to avaoid the discontinuities of the tangent function) to 360 degrees in steps of one degree. The TAN block calculates $\tan(\alpha)$ and the PLOT block displays the graph on screen.



See also Blocks ACOS, ACOT, ASIN, ATAN, COS, COT, SIN.