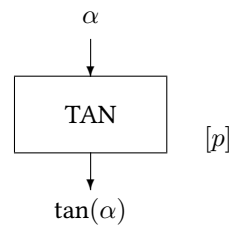


Block TAN

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. |
|---|--|

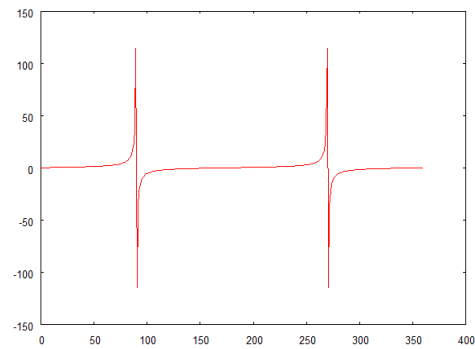
Strings

None

tan.vseit



A **DO** block varies α from 0.5 (in order to avoid 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**.