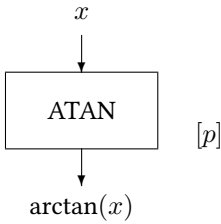


Block ATAN

The ATAN block returns the arcus tangent of its input.



Name	ATAN
Function	fb0008
Inputs	1
Outputs	1
Parameters	0 ... [1]
Strings	0
Group	S

Inputs

- 1
- Any value x

Outputs

- 1
- Arcus tangent of x

Parameters

- 1
- Degrees / radians switch p . If p is set to 0 (default) $\arctan(x)$ is returned in degrees $(-90^\circ, +90^\circ)$. If p is set to 1 $\arctan(x)$ is returned in radians $(-\pi/2, +\pi/2)$.

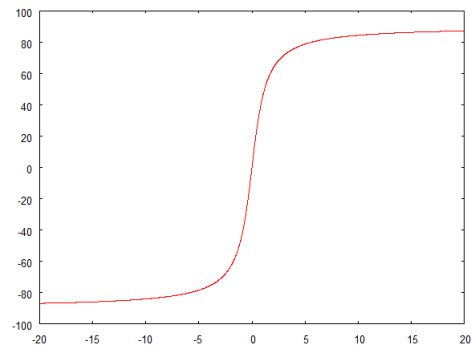
Strings

None

atan.vseit



A [DO](#) block varies x from -10 to 10 in steps of 0.1 . The [ATAN](#) block calculates the arc tangent of x and the [PLOT](#) block displays the graph on screen.



See also Blocks [ASIN](#), [ACOS](#), [ACOT](#).