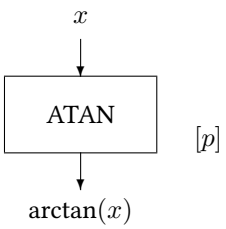
Block ATAN

The ATAN block returns the arcus tangent of its input.





Name	ATAN
Function	fb0008
Inputs	1
Outputs	1
Parameters	$0 \ldots [1]$
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 $(-90°, +90°)$. If p is set to 1 arctan(x) is returned in radians $(-\pi/2, +\pi/2)$.

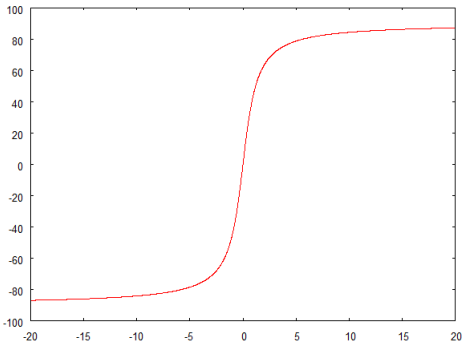
Strings

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.