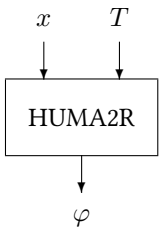
Block HUMA2R

The HUMA2R block converts absolute humidity to relative humidity as a function of temperature.

hum
a→r



Name	HUMA2R
Function	st0013
Inputs	2
Outputs	1
Parameters	0
Strings	0
Group	S

Inputs

1 Absolute humdity of humid air x / g water/kg dry air
2 Temperature T / °C

Outputs

1 Relative humdity of humid air φ

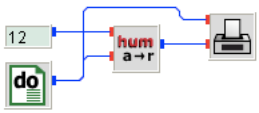
Parameters

None

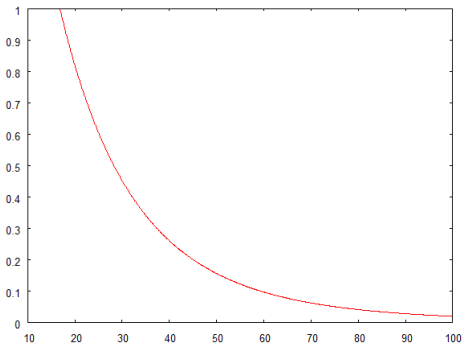
Strings

None

huma2r.vseit



A DO block varies temperatures between 15 and 100 degrees Celsius. Assuming a constant absolute humidity of 12 grams of water per kilogram of air, the HUMA2R block calcultes the relative humidity which is displayed by the PLOT block as a function of temperature.



See also Block HUMR2A.