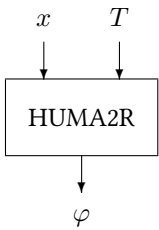


Block HUMA2R

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 humidity of humid air x / g water/kg dry air
- 2

Temperature T / °C

Outputs

- 1

Relative humidity of humid air φ

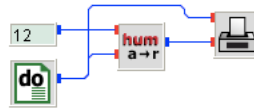
Parameters

None

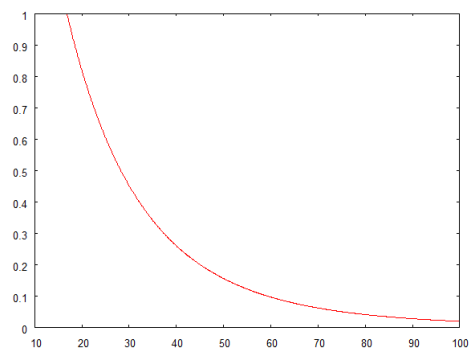
Strings

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 calculates the relative humidity which is displayed by the **PLOT** block as a function of temperature.



See also Block **HUMR2A**.