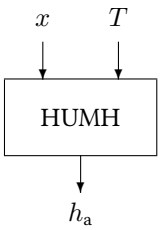
Block HUMH

The HUMH block returns the enthalpy of air as a function of absolute humidity and temperature.





Name	HUMH
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 Enthaply of air h_a / kJ kg^{-1}

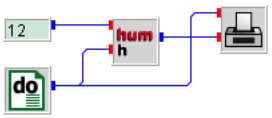
Parameters

None

Strings

None

humh.vseit



The PLOT block displays the enthalpy of humid air as a function of temperature which is varied between 15 and 300 °C in steps of 0.1 °C, as defined through a DO block.

The absolute humidity of the humid air is set to 12 g water per kg of dry air by a CONST block.

