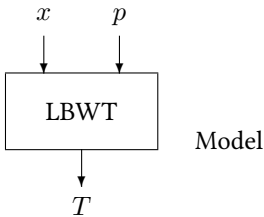


Block LBWT

The LBWT block returns the temperature of a lithium-bromide-water dilution as a function of concentration and pressure.

LiBr  
T



|            |        |
|------------|--------|
| Name       | LBWT   |
| Function   | st0025 |
| Inputs     | 2      |
| Outputs    | 1      |
| Parameters | 2      |
| Strings    | 0      |
| Group      | S      |

Inputs

- 1 Lithium-bromide concentration  $x$  / kg LiBr kg<sup>-1</sup> H<sub>2</sub>O
- 2 Pressure  $p$  / Pa

Outputs

- 1 Temperature of lithium-bromide-water dilution  $T$  / °C

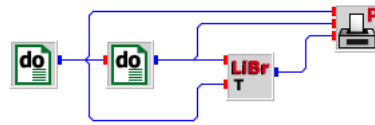
Parameters

- 1 Model
  - 0 Mc Neely 1979
- 2 Outside-range value. If set to zero ( $|BP(2)| < 10^{-5}$ ) data are extrapolated.

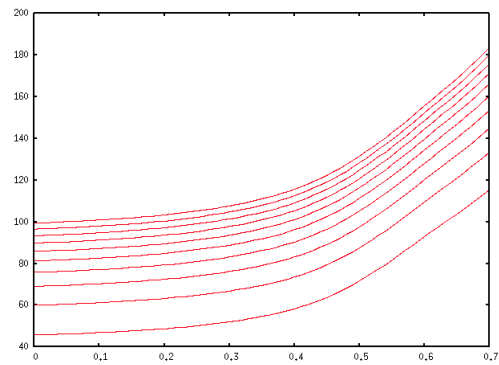
Strings

None

lbwt.vseit



The temperature of lithium-bromide-water dilution is calculated and plotted by a **PLOT** block as a function of concentration and pressure.



The pressure and concentration are varied by two nested **DO** blocks between 1000 and 101000 Pa in steps of 1000 (outer block) and 0 and 0.76 kg LiBr per kg water in steps of 0.01 (inner block).