Block FIT4PH

The FIT4PH block approximates the input data by a four-parameter model typically used for heating-demand calculations of buildings.



FIT4PH

Name	FIT4PH
Function	bs0031
Inputs	2
Outputs	5
Parameters	0
Strings	0
Group	I

Inputs

1 Temperature T_a / °C
2 Demand / kWh

Outputs

1 Heating base load Q_{hb} / kWh
2 Heating change-point temperature T_h / °C
3 Heating slope α_h / kWh K^{-1} (usually negative)
4 Baseload slope α_{hb} / kWh K^{-1} (usually negative)
5 Regression coefficient r^2

Parameters

None

Strings

None