Block FIT5PH

The FIT5P block approximates the input data by a five-parameter model typically used for heating- and cooling-demand calculations of buildings.



Name	FIT5PH
Function	bs0032
Inputs	2
Outputs	4
Parameters	0
Strings	0
Group	I

Inputs

1 Temperature T_a / °C
2 Demand / kWh

Outputs

1 Base load Q_b / kWh
2 Heating change-point temperature T_h / °C
3 Heating slope α_h / kWh K^{-1} (usually negative)
4 Cooling change-point temperature T_c / °C
5 Cooling slope α_c / kWh K^{-1} (usually positive)
6 Regression coefficient r^2

Parameters

None

Strings

None