

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
