

Block FIT4PC

The FIT4PC block approximates the input data by a four-parameter model typically used for cooling demand calculations of buildings.



FIT4PC

Name	FIT4PC
Function	bs0031
Inputs	2
Outputs	5
Parameters	0
Strings	0
Group	I

Inputs

- 1 Temperature T_a / °C
- 2 Demand / kWh

Outputs

- 1 Cooling base load Q_{cb} / kWh
- 2 Cooling change-point temperature T_c / °C
- 3 Cooling slope α_c / kWh K⁻¹ (usually negative)
- 4 Baseload slope α_{cb} / kWh K⁻¹ (usually negative)
- 5 Regression coefficient r^2

Parameters

None

Strings

None
