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