This is a neuron with a bipolar sigmoidal activation function:

This is a neuron with a linear activation function:

This is a connection point (input / output / junction / connection) :

Relation between the time and the PV panel’s temperature.

The weights are stored in the WT2PT TAG. ( = Weight from Time To Panel Temperature)

This TAG contains 12 elements. The first 6 are the weights between the input and the hidden neurons, and the second 6 are the weights between the hidden neurons and the output neuron.

PV PANEL TEMPERATURE

TIME

Relation between the time and the ambient temperature.

The weights are stored in the WT2AT TAG. ( = Weight from Time To Ambient Temperature)

This TAG contains 12 elements. The first 6 are the weights between the input and the hidden neurons, and the second 6 are the weights between the hidden neurons and the output neuron.

AMBIENT TEMPERATURE

TIME

Relation between the time and the global radiation.

The weights are stored in the WT2GR TAG. ( = Weight from Time To Global Radiation)

This TAG contains 12 elements. The first 6 are the weights between the input and the hidden neurons, and the second 6 are the weights between the hidden neurons and the output neuron.

GLOBAL RADIATION

TIME

Yes, I have very limited graphical and drawing talent, I know… ☺

This is the relation between the wheather data and the output power.

The hidden layer contains 22 neurons, and every input is connected to every hidden neuron. And every hidden neuron is connected to the outut neuron.

The weights are stored in the WPT2H, WAT2H, WGR2H and WH2PO TAGs. (Weight from Panel Temperature to Hidden, Weight from Ambient Temperature to Hidden, Weight from Global Radiation to Hidden and Weight from Hidden to Power Output respectively.)

AMBIENT TEMPERATURE

PV PANEL TEMPERATURE

GLOBAL RADIATION

OUTPUT PV POWER

(…)