

## pwm\_file\_3.gce

### Attributes

```
mainvars: sync y
iparms: level_0minus=0
sparms: file_name=none
rparms:
+ frequency=50
+ g_low=0
+ g_high=1
+ sync_low=0
+ sync_high=1
+ theta_delay=0
```

### Description

pwm\_file\_3.gce generates pulses at the output (**y**) after the triggering signal **sync** goes from **sync\_low** to **sync\_high**. The other parameters have the following meaning:

**file\_name**: Name of the file (assumed to be present in the **Output** directory) with data in the following format and  $\theta$  values specified in degrees.

```
ndata (number of transitions)
theta_1
theta_2
theta_3
...
```

**level\_0minus**: If **level\_0minus** is 0, the starting value of the output is low (given by **g\_low**); else, it is high (given by **g\_high**), as shown in the figure.

**frequency**: Frequency  $f$  is used to compute the time period (which corresponds to  $360^\circ$ ).

**theta\_delay**: Interval between the rising edge of the **sync** signal and the beginning of the pulse pattern ( $\Delta$  in the figure).

AC behaviour is not implemented.

