

clock_delay_2.gce

Attributes

```
mainvars: x y
iparms:
+   n_delay=1
+   flag_frequency=1
+   flag_period=0
rparms:
+   g_low=0
+   g_high=1
+   frequency=50
+   t_period=0
+   theta_delay=0
+   theta_delay_1=0
```

Description

`clock_delay_2.gce` can be used to produce a delayed version (y) of an input pulse pattern (x), as shown in the figure. The delay is given by

$$\Delta = \left(\frac{T}{360} \right) \times (n\theta + \theta_1), \quad (1)$$

where θ and θ_1 correspond to the real parameters `theta_delay` and `theta_delay_1`, respectively, and n to the integer parameter `n_delay`. `theta_delay` and `theta_delay_1` are to be specified in degrees.

If `flag_frequency` is specified to be 1, the real parameter `frequency` is used to compute the period T . If `flag_period` is specified to be 1, the period T is directly given by the real parameter `t_period`.

Unlike `clock_delay_1.gce`, `clock_delay_2.gce` can be used even if the delay is larger than the interval between two consecutive positive (or negative) edges of the input variable x .

AC behaviour is not implemented.

