

## clock2\_a.gce

### Attributes

```
mainvars: y1 y2
iparms: i0=0
rparms:
+   t1=1
+   t2=2
+   alpha=0
+   g_high=1
+   dt1=0.01
+   dt2=0.01
```

### Description

clock2\_a.gce generates two square waves 180° apart, with y2 lagging y1. The parameters have the following meaning:

**t1:** The first part of one period. y1 is equal to 0 in this interval if i0=0 and g\_high if i0=1.

**t2:** The second part of one period.

**alpha:** An “offset” time interval specified in terms of angle (in degrees). One period corresponds to 360°.

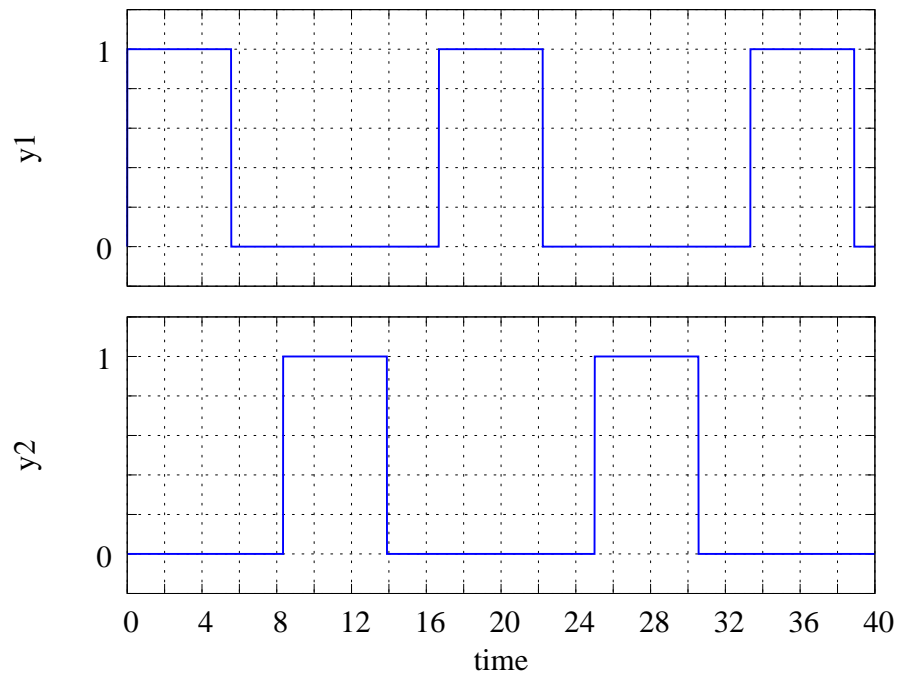
**dt1:** Width of the transition at the beginning of the t1 phase.

**dt2:** Width of the transition at the beginning of the t2 phase.

Note that the transition width is included in t1 or t2.

AC behaviour is not implemented.

The effect of the various parameters of clock2\_a.gce is shown in the following figure.



t1=5.556m  
t2=11.111m  
alpha=0  
g\_high=1  
dt1=0.01m  
dt2=0.01m  
i0=1