Attributes

```
xbe name=triangle_1 evaluate=yes limit_tstep=yes
# triangle source
Jacobian: constant
input_vars:
output_vars: y
aux_vars:
iparms:
sparms:
# L1 is the level at the beginning of the first interval
rparms:
+ T1=1
+ T2=1
+ L1=-1
+ L2=1
+ t0=0
+ T=0
+ slope1=0
+ slope2=0
+ epsl=0
stparms:
igparms:
outparms: y
```

Description

triangle_1.xbe is a triangle wave source with y as its output. The parameters have the following meaning:

- T1: The first part of one period. y goes from L1 to L2 in this interval.
- T2: The second part of one period. y goes from L2 to L1 in this interval.
- t0: An "offset" time interval by which the waveform is shifted (to the right).

The effect of the various parameters of triangle_1.xbe on y(t) is shown in the following figures.

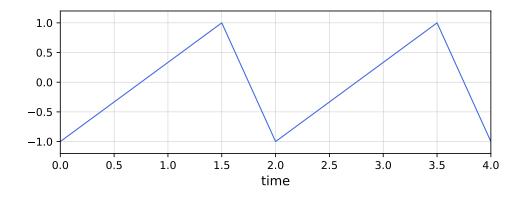


Figure 1: y(t) obtained with T1 = 1.5, T2 = 0.5, L1 = -1, L2 = 1, t0 = 0.

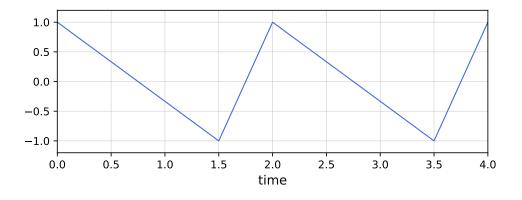


Figure 2: y(t) obtained with T1 = 1.5, T2 = 0.5, L1 = 1, L2 = -1, t0 = 0.

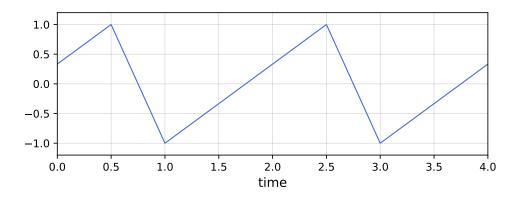


Figure 3: y(t) obtained with T1 = 1.5, T2 = 0.5, L1 = -1, L2 = 1, t0 = 1.