s_osc_1 (subcircuit)

Attributes

```
inputs: f
outputs: y
e_left_nodes:
e_right_nodes:
e_top_nodes:
e_bottom_nodes:
b_left_nodes:
b_right_nodes:
b_top_nodes:
b_bottom_nodes:
parameters:
  delt_min: 0.1u
  delt_nrml: 0.1m
```

Description

s_osc_1 is used to generate a sawtooth waveform varying between 0 and 1. The frequency of the output y is determined by the instantaneous value of the input f. A sample output is shown in Fig. 1.

The parameters delt_min, delt_nrml are used for controlling the simulator time steps (see documentation for cmpr_1_1).

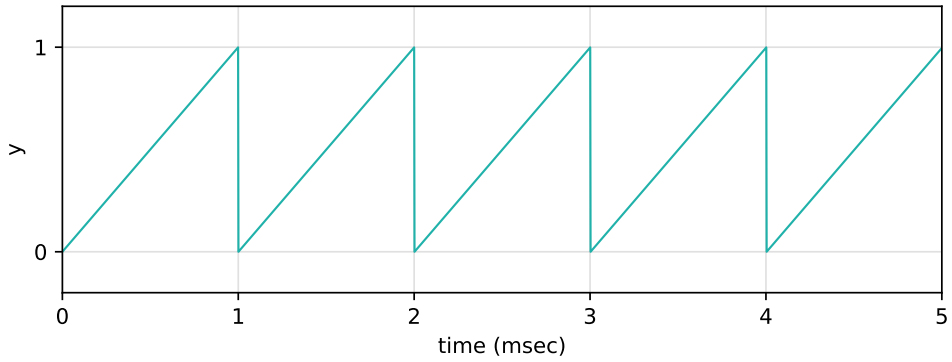

Figure 1: Sample output obtained with s_osc_1 with a constant value of f equal to 1e3.