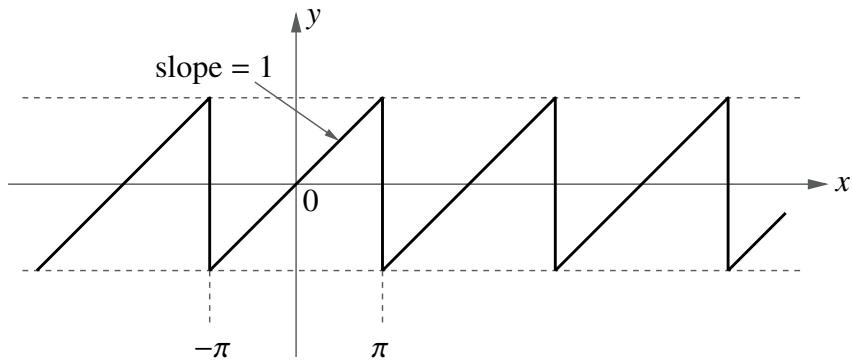# modulo_twopi.xbe

Attributes

```
xbe name=modulo_twopi evaluate=yes limit_modulo=yes
# limit x to (x1,x2)
Jacobian: constant
input_vars: x
output_vars:
aux_vars:
iparms:
sparms:
rparms: x1=-1 x2=1
stparms:
igparms:
outparms: x
```

Description

modulo_twopi.xbe uses the remainder function to restrict the output y between $-\pi$ and π, as shown in the figure. Note that the real parameters x1 and x2 of this element are set to $-\pi$ and π, respectively, in the one_time_parms section of the template.