

cmprh_2_2.xbe

Attributes

```
xbe name=cmprh_2_2 evaluate=yes limit_tstep=yes save_history=yes
# if x1-x2 > x0 +/- h/2, y1 = high, else low; y2 is not(y1)
# (reverse if flag_inverting=1)
# h is the hysteresis band, centred around x0
Jacobian: variable
input_vars: x1 x2
output_vars: y1 y2
aux_vars:
iparms:
+ flag_invert=0
+ flag_quad=0
sparms:
rparms:
+ x0=0
+ y_low=0
+ y_high=1
+ h=0.1
+ epsl=1.0e-6
+ delt_min=1.0e-6
+ delt_nrml=0.001
stparms:
igparms:
outparms: x1 x2 y1 y2
```

Description

cmprh_2_2.xbe is a comparator with hysteresis. Its behaviour is similar to cmprh_2_1.xbe; the only difference is that cmprh_2_2.xbe provides complementary signals y1 and y2 as outputs.

x1, x2, y1, y2 are made available as output variables.