thyristor_g.ece

Attributes

```
mainnodes: anode cathode

outvar: i1=brc_of_th0 v1=brv_of_th0

main_var: gate

rparms: ron=0.1 roff=10M g_high=1.0
```

Description

thyristor_g.ece is an idealized thyristor which behaves like a resistance R_{on} when it is on and R_{off} when it is off. The value of the general variable gate is used to determine if the thyristor is on or off.

If gate > g_high/2, the thyristor is triggered.

The branch voltage v1 and the branch current i1 are made available as output variables.

AC behaviour is not implemented.