

`rms_1.gce`



Attributes

mainvars: `x_in` `x_rms`
rparms: `b=0.1`

Description

`rms_1.gce` can be used to produce the rms value of a signal `x_in`, with `x_rms` as the output. Internally, `x_in` is squared, filtered, and then its square root is taken to produce `x_rms`. The filtering function is performed as,

$$y = \frac{1}{1 + bs} x.$$

The value of the real parameter `b` should be chosen carefully to ensure that the filter characteristics are acceptable.

AC behaviour is not implemented.