

d_filter_z1_p1.gce

Attributes

```
mainvars: x y
rparms:
+   delt_sample=10
+   offs_sample=0
+   a0=1.0
+   a1=1.0
+   b0=1.0
+   b1=1.0
```

Description

d_filter_z1_p1.gce is a digital filter with the transfer function (with **x** as input and **y** as output),

$$H(z) = \frac{a_0 + a_1 z^{-1}}{b_0 + b_1 z^{-1}}. \quad (1)$$

The sampling times are $t_n = nT_s + T_0$. The parameter **delt_sample** specifies the sampling interval (T_s), and **offs_sample** specifies the offset (T_0).

In AC simulation, the complex transfer function corresponding to Eq. 1 is implemented.