



cccs.ece

Attributes

```
mainnodes: p n
outvar: i1=brc_of_i0 v1=brv_of_i0
ind_branches: cccsbr
rparms: beta=1.0
outvar_ac: i1ac=brc_of_i0 v1ac=brv_of_i0
ind_branches_ac: cccsbr_ac
```

Description

cccs.ece is a current-controlled current source connected between nodes **p** and **n**. The current from **n** to **p** is given by $v = \mathbf{r} \mathbf{m} \times i'$ where i' is the current through the branch **cccsbr**. A similar relation holds for AC except that the name of the branch is **cccsbr_ac** in that case. The output variables **i1** and **v1** are the branch current and branch voltage, respectively. The AC output variables **i1ac** and **v1ac** are the AC branch current and branch voltage, respectively.