

`dq_to_abc.gce`

Attributes

`mainvars: d q cost sint a b c`

Description

`dq_to_abc.gce` employs the following equations to relate the general variables `d`, `q`, `cost`, `sint` to `a`, `b`, `c`:

$$\alpha = d \cos t - q \sin t,$$

$$\beta = d \sin t + q \cos t,$$

$$a = \frac{2}{3} \alpha,$$

$$b = -\frac{1}{3} \alpha + \frac{1}{\sqrt{3}} \beta,$$

$$c = -\frac{1}{3} \alpha - \frac{1}{\sqrt{3}} \beta.$$

AC behaviour is not implemented.