

abc_to_dq_2.gce

Attributes

mainvars: a b c d q cost sint

Description

abc_to_dq_2.gce employs the following equations to relate the general variables **a**, **b**, **c**, **cost**, **sint** to **d**, **q**:

$$\begin{aligned}\alpha &= \frac{3}{2} a, \\ \beta &= \frac{\sqrt{3}}{2} (b - c), \\ q &= -\alpha \sin t + \beta \cos t, \\ d &= \alpha \cos t + \beta \sin t.\end{aligned}$$

AC behaviour is not implemented.