

abc_to_dq.xce

Attributes

main_vars: van vbn vcn vqs vds

Description

abc_to_dq.xce employs the following equations to relate the variables **van**, **vbn**, **vcn** to **vds**, **vqs**:

$$\begin{aligned}V_{qs} &= \frac{2}{3} V_{an} - \frac{1}{3} (V_{bn} + V_{cn}), \\V_{ds} &= -\frac{1}{\sqrt{3}} (V_{bn} - V_{cn}).\end{aligned}$$

AC behaviour is not implemented.