

abc_to_zalphabeta.xce

Attributes

main_vars: a b c alpha beta zero

Description

abc_to_zalphabeta.xce employs the following equations to relate the variables a, b, c to alpha, beta, zero:

$$\begin{aligned}\alpha &= \sqrt{\frac{2}{3}}a - \frac{1}{\sqrt{6}}(b + c), \\ \beta &= \frac{1}{\sqrt{2}}(b - c), \\ z &= \frac{1}{\sqrt{3}}(a + b + c).\end{aligned}$$

AC behaviour is not implemented.