

zalphabeta_to_abc.gce

Attributes

mainvars: z alpha beta a b c

Description

abc_to_zalphabeta employs the following equations to relate the general variables **z**, **alpha**, **beta** to **a**, **b**, **c**:

$$a = k_1 z + k_2 \alpha,$$

$$b = k_1 z - k_3 \alpha + k_4 \beta,$$

$$c = k_1 z - k_3 \alpha - k_4 \beta,$$

where $k_1 = 1/\sqrt{3}$, $k_2 = \sin(60^\circ)$, $k_3 = \sin(60^\circ)/2$, $k_4 = 1/\sqrt{2}$.

AC behaviour is not implemented.