

$$\left((X+Y)_{\alpha}, (X+Y)_{1-\alpha}\right) = (-4.033, 3.967)$$

Correlation: 1

X: (-2.017, 1.956)

Y: (-2.017, 1.956)

$$(X_{\alpha} + Y_{\alpha}, X_{1-\alpha} + Y_{1-\alpha}) = (-4.033, 3.967)$$

