

$$\left((X+Y)_{\alpha}, (X+Y)_{1-\alpha}\right) = (-3.13, 3.1)$$

Correlation: 0.25
 X: (-1.978, 1.967)
 Y: (-2.009, 2.006)

$$(X_{\alpha} + Y_{\alpha}, X_{1-\alpha} + Y_{1-\alpha}) = (-3.987, 3.9)$$

