

$$\left((X+Y)_{\alpha}, (X+Y)_{1-\alpha}\right) = (-3.663, 3.663)$$

Correlation: 0.75  
 X: (-1.945, 1.976)  
 Y: (-1.999, 2.001)

$$(X_{\alpha} + Y_{\alpha}, X_{1-\alpha} + Y_{1-\alpha}) = (-3.944, 3.944)$$

