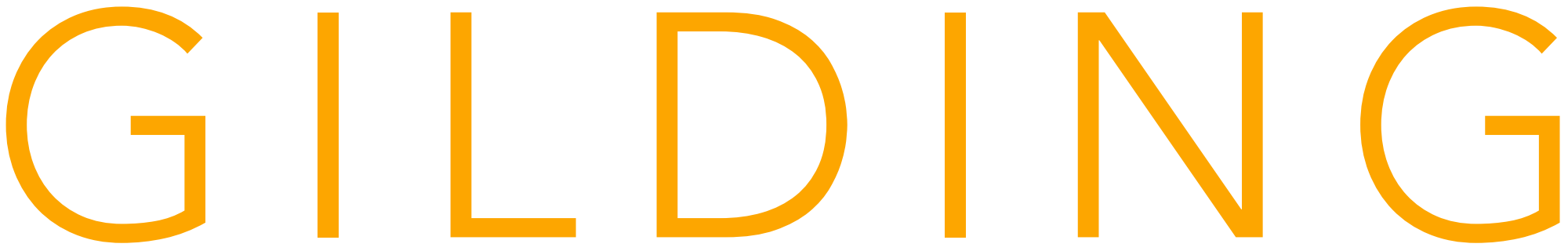
GILDING

GILDING

$$f(x, y, \phi) = (x + y)\left[\text{beta}\left(g(x, y, \phi), g(y, x, \phi) + 1\right), \text{beta}\left(g(x, y, \phi) + 1, g(y, x, \phi)\right)\right]$$

$$g\left(x, y, \phi\right) = \left(x\phi + y(1 - \phi)\right)\sqrt{\frac{\left|\phi - 0.5\right|}{\phi(1 - \phi)}}$$

- When $\boldsymbol{\phi} = 1$, the pyrite standard is perfect
- When $\boldsymbol{\phi} = 0$, the pyrite standard is 'anti-perfect'
- When $\boldsymbol{\phi} = 0.5$, the pyrite standard is 'useless'

$$\lim_{\phi \to 1} f(x, y, \phi) = x$$

$$\lim_{\phi \to 0} f(x, y, \phi) = y$$

$$\lim_{\phi \to 1/2} f(x, y, \phi) = \left[0,\ x + y\right]$$

RESULTS