$\mathbb{P}_U\left[J(\mathbf{k}, \mathbf{U}) \leq \alpha \min_{\mathbf{k}} J(\mathbf{k}, \mathbf{U})\right]$ for different values of α

Legend:
- $\alpha = 1$
- $\alpha = 1.0718$
- $\alpha = 1.144$
- $\alpha = 1.215$
- $\alpha = \check{\alpha}$
- $\alpha = \check{\alpha}_{0.05}$
- $\alpha = \check{\alpha}_{0.10}$