$\mathbb{P}_{U}[J(\mathbf{k}, \mathbf{U}) \leq \alpha \min_{\mathbf{k}} J(\mathbf{k}, \mathbf{U})]$ for different values of α 1.0 $\alpha = 1.1313$ $\alpha = 1.263$ $\alpha = 1.394$ 0.8 $\alpha = \check{\alpha}$ $\alpha = \check{\alpha}_{0.05}$ $\alpha = \check{\alpha}_{0.10}$ 0.6 0.40.2 0.0 -

1.00

k

1.25

1.50

1.75

2.00

0.75

0.50

0.00

0.25