Figure: $\ell = 2, g_{\mathcal{K}} = 1.0$. Eigenenergy $E(k)/E_{\mathrm{UV}}$ versus Momentum $(k/\mathcal{K})$.

Legend:
- $a_{\mathcal{K}} = 1, N = 100$
- $a_{\mathcal{K}} = 1, N = 200$
- $a_{\mathcal{K}} = 1, N = 300$
- $a_{\mathcal{K}} = 1, N = 400$
- $a_{\mathcal{K}} = 1, N = 500$
- $a_{\mathcal{K}} = 2, N = 100$
- $a_{\mathcal{K}} = 2, N = 200$
- $a_{\mathcal{K}} = 2, N = 300$
- $a_{\mathcal{K}} = 2, N = 400$
- $a_{\mathcal{K}} = 2, N = 500$
- $a_{\mathcal{K}} = 5, N = 100$
- $a_{\mathcal{K}} = 5, N = 200$
- $a_{\mathcal{K}} = 5, N = 300$
- $a_{\mathcal{K}} = 5, N = 400$
- $a_{\mathcal{K}} = 5, N = 500$
- $a_{\mathcal{K}} = 10, N = 100$
- $a_{\mathcal{K}} = 10, N = 200$
- $a_{\mathcal{K}} = 10, N = 300$
- $a_{\mathcal{K}} = 10, N = 400$
- $a_{\mathcal{K}} = 10, N = 500$
- $a_{\mathcal{K}} = 20, N = 100$
- $a_{\mathcal{K}} = 20, N = 200$
- $a_{\mathcal{K}} = 20, N = 300$
- $a_{\mathcal{K}} = 20, N = 400$
- $a_{\mathcal{K}} = 20, N = 500$
- $\Sigma(a_{\mathcal{K}} = 1)$
- $\Sigma(a_{\mathcal{K}} = 2)$
- $\Sigma(a_{\mathcal{K}} = 5)$
- $\Sigma(a_{\mathcal{K}} = 10)$
- $\Sigma(a_{\mathcal{K}} = 20)$
- $g_{\mathcal{K}} = 0$