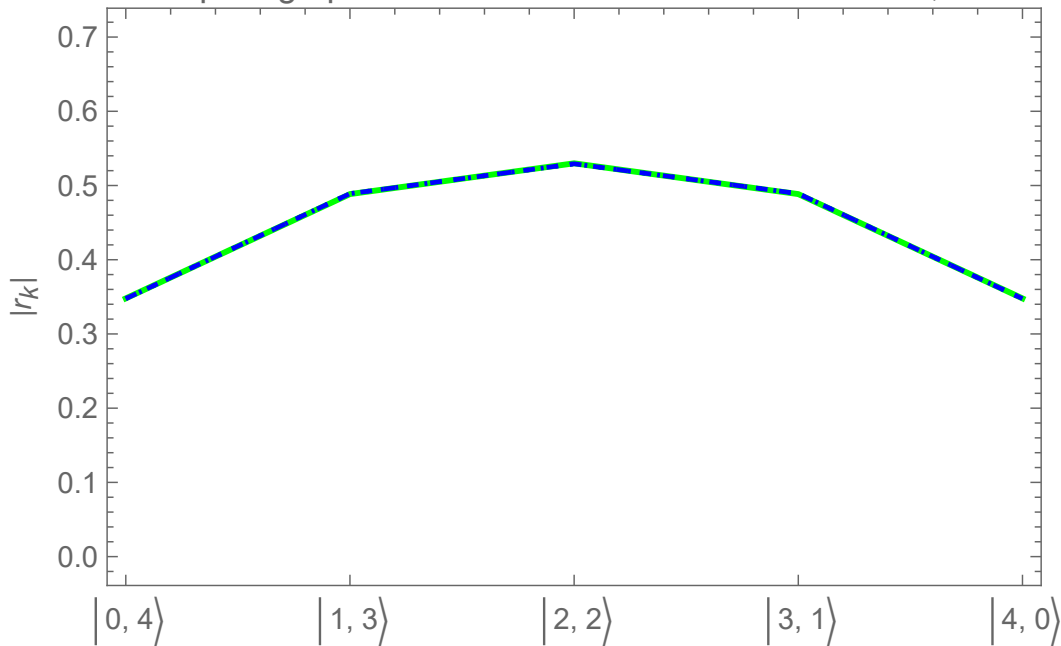


Comparing optimal 1 shot and 2 shot states for $N=4$, $\Delta=\pi$



— 1 Shot case
 --- 2 Shot case: Shot 1
 2 Shot case: Shot 2