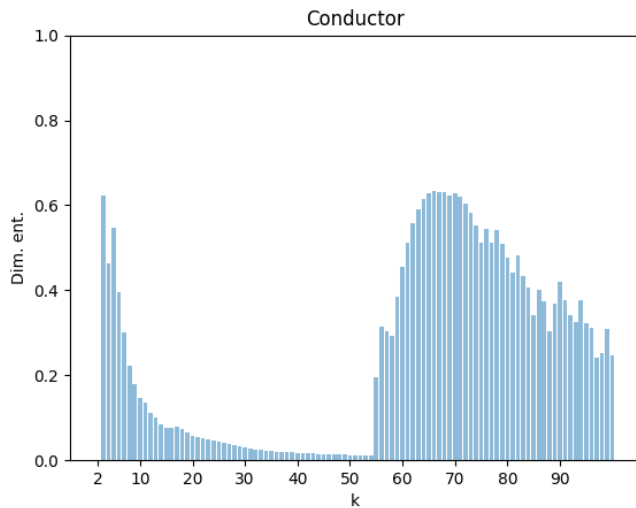


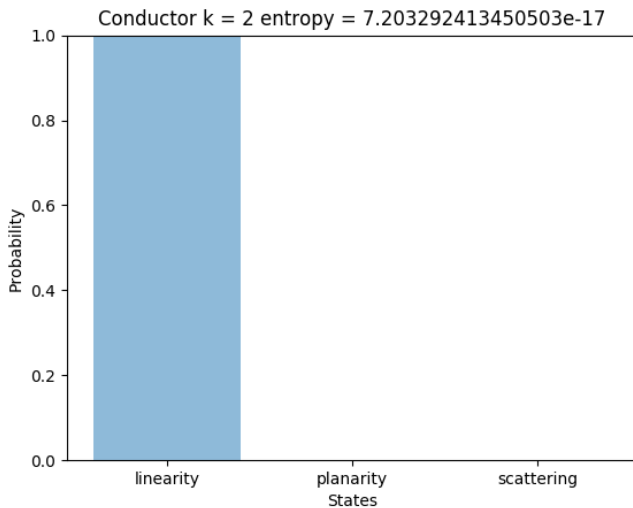
Conductor

Dimensional entropy behaviour

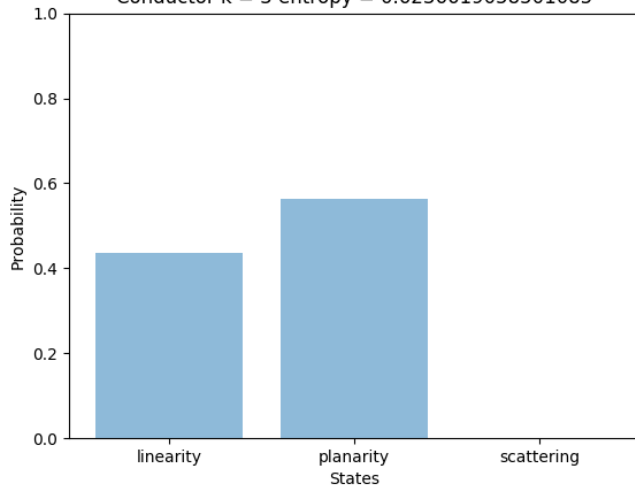
Samuel Dean

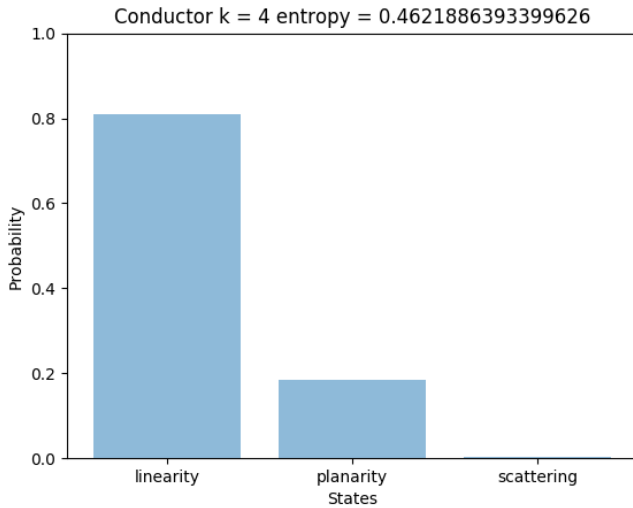
June 21, 2019



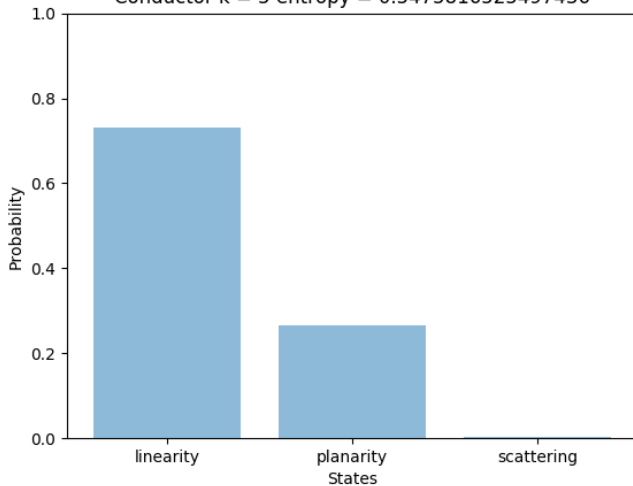


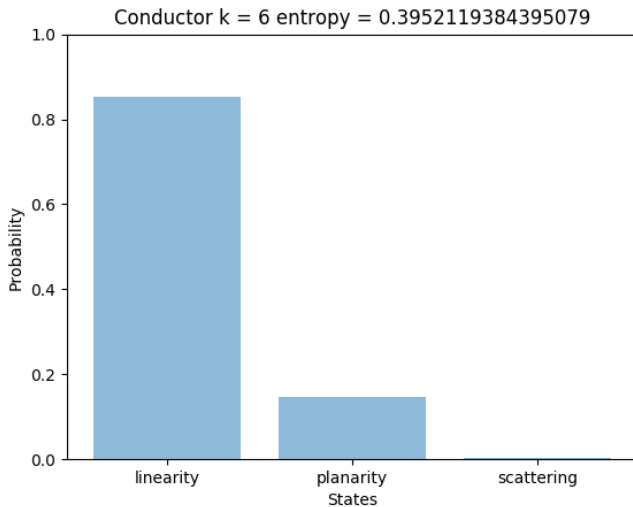
Conductor $k = 3$ entropy = 0.6236619058501085



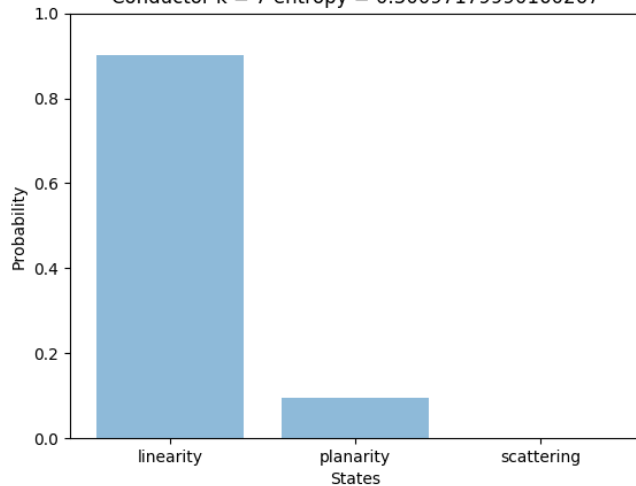


Conductor $k = 5$ entropy = 0.5475816525497436

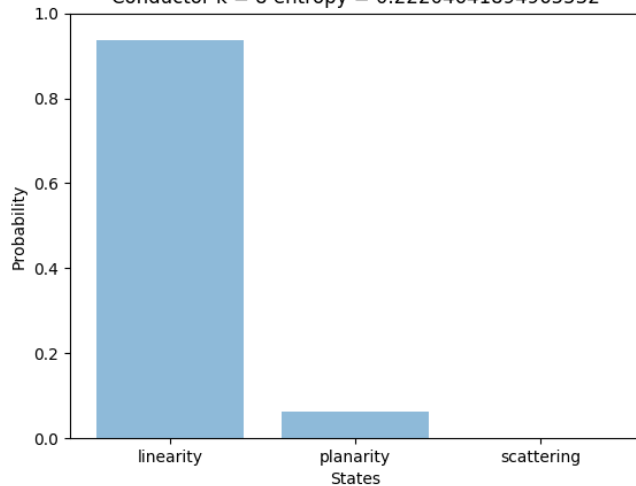


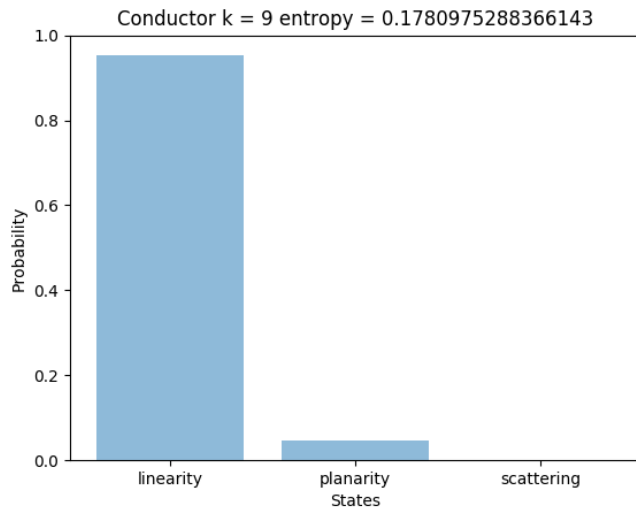


Conductor $k = 7$ entropy = 0.30097179990160267

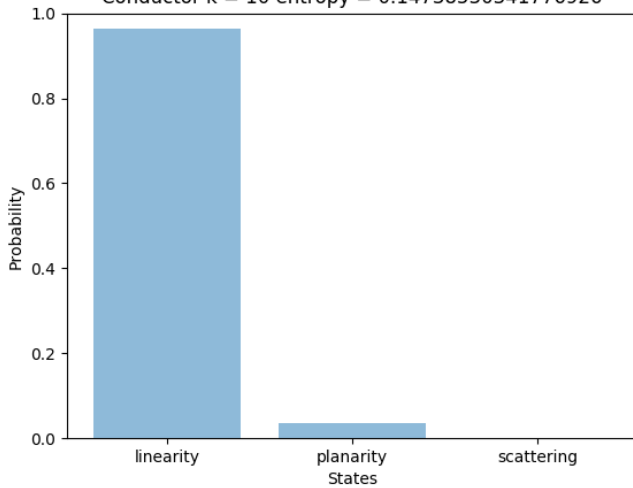


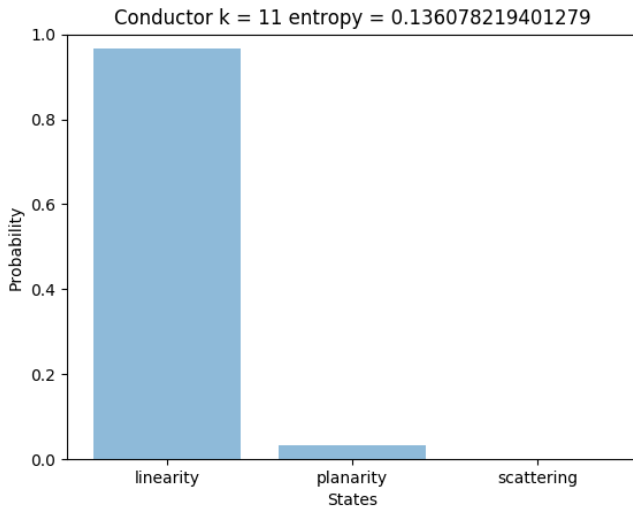
Conductor $k = 8$ entropy = 0.22204641894965532



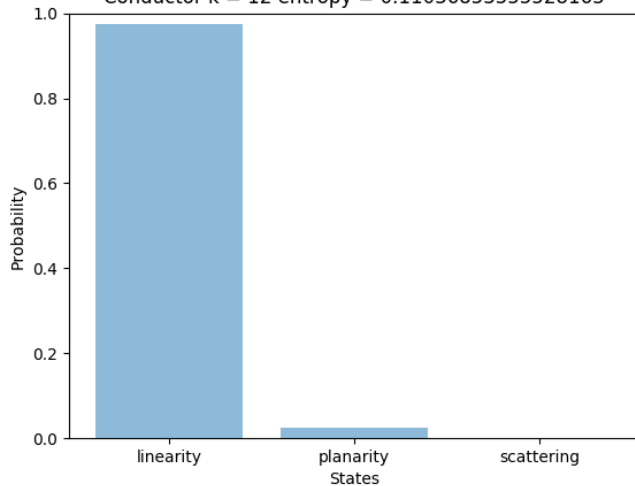


Conductor k = 10 entropy = 0.14738530341776926

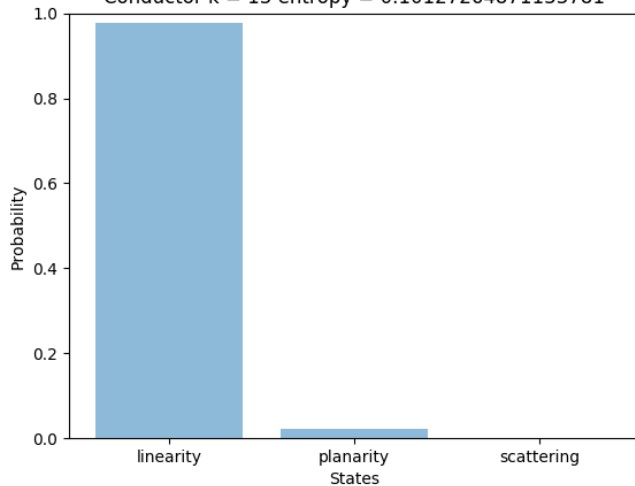




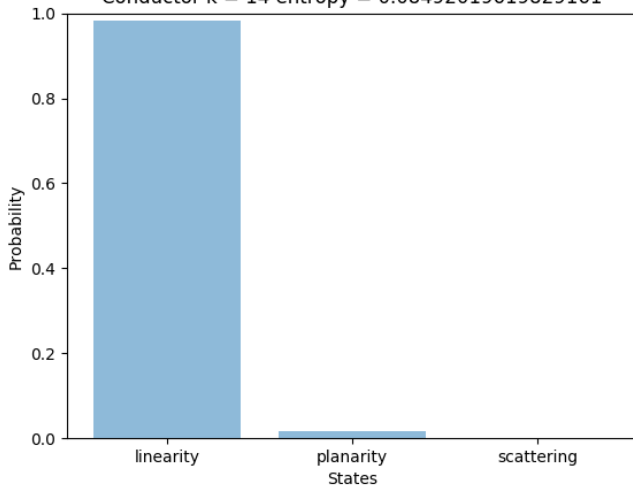
Conductor $k = 12$ entropy = 0.1103685355528163



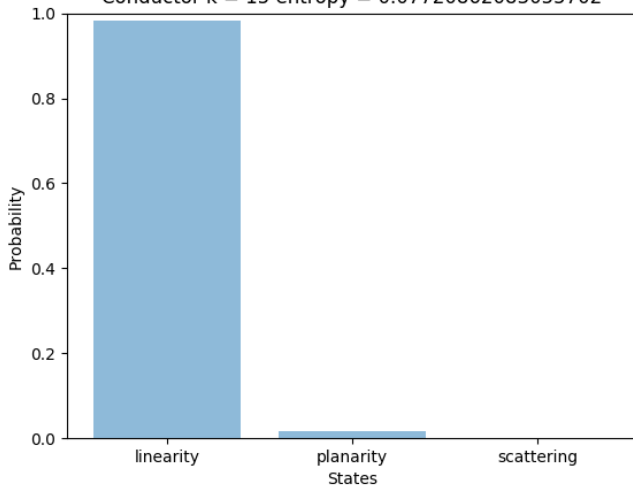
Conductor $k = 13$ entropy = 0.10127264871133781



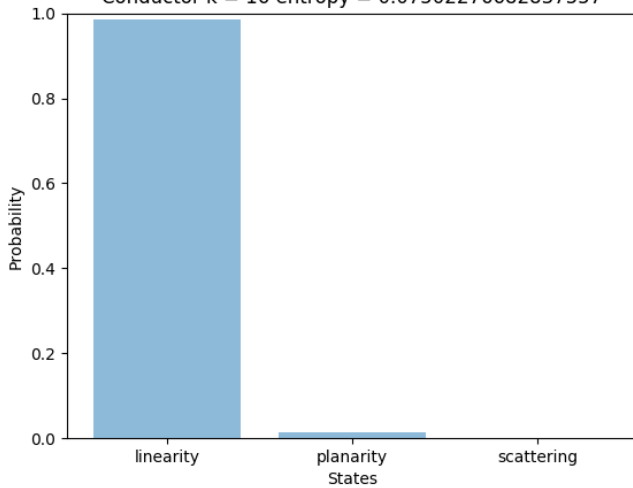
Conductor $k = 14$ entropy = 0.08492019619829161



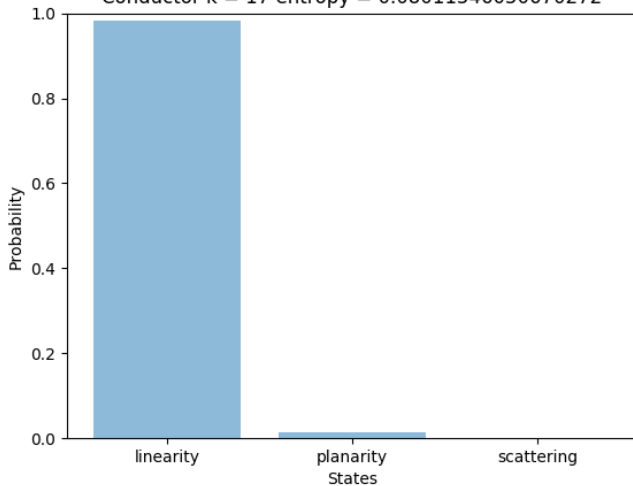
Conductor k = 15 entropy = 0.07720862083055702



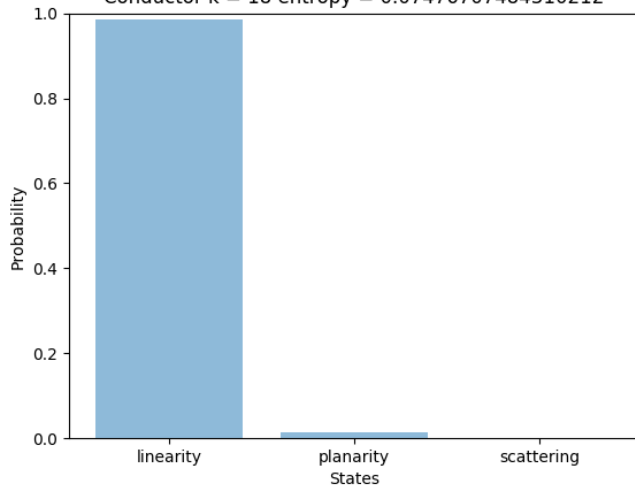
Conductor $k = 16$ entropy = 0.07502276682837557



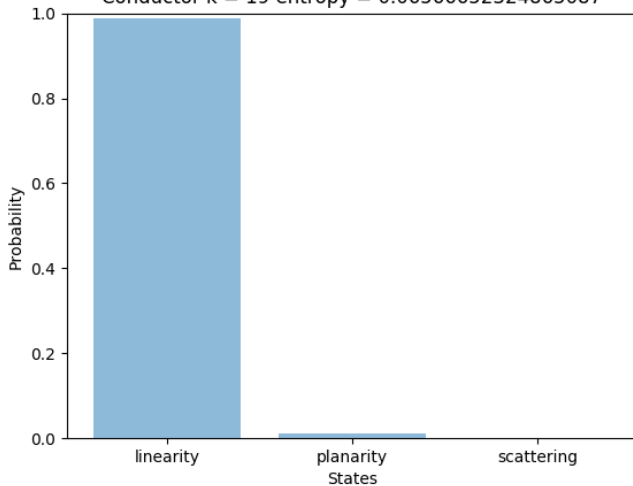
Conductor $k = 17$ entropy = 0.08011546050670272

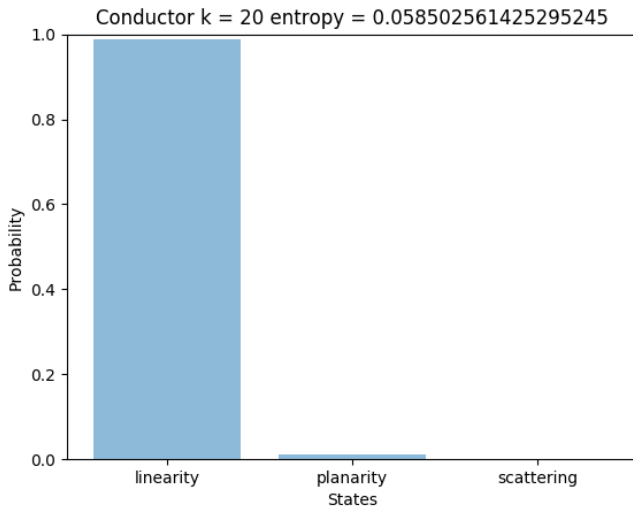


Conductor $k = 18$ entropy = 0.07476707484310212

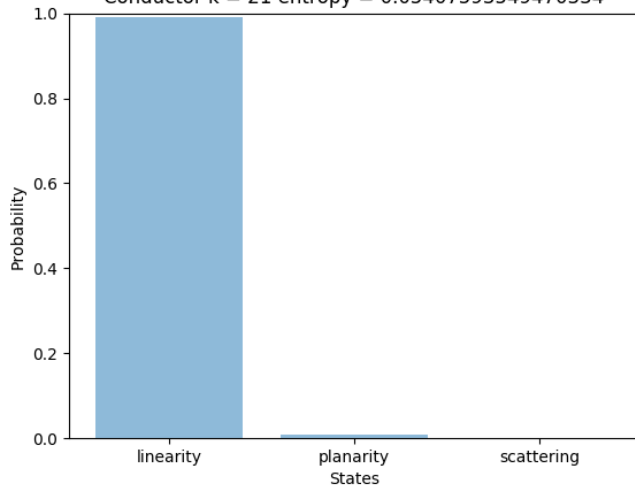


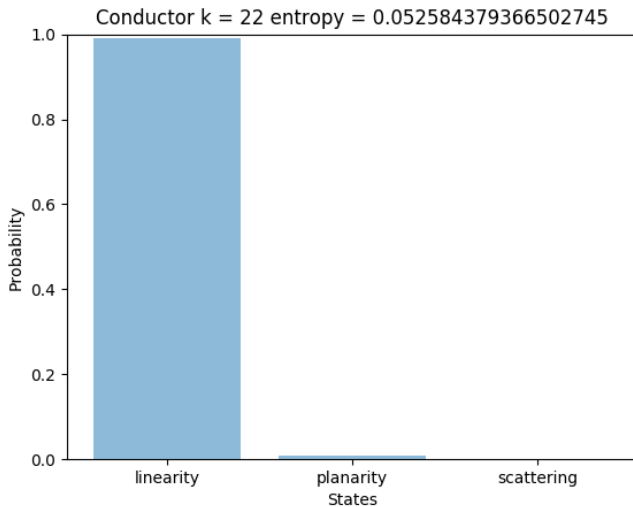
Conductor $k = 19$ entropy = 0.06566652324865087

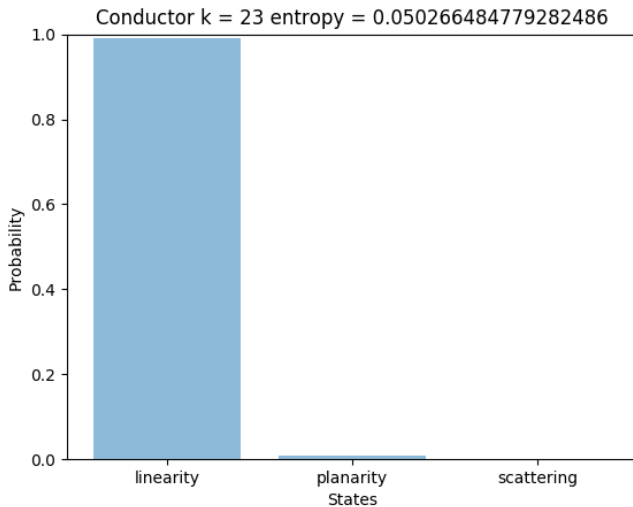




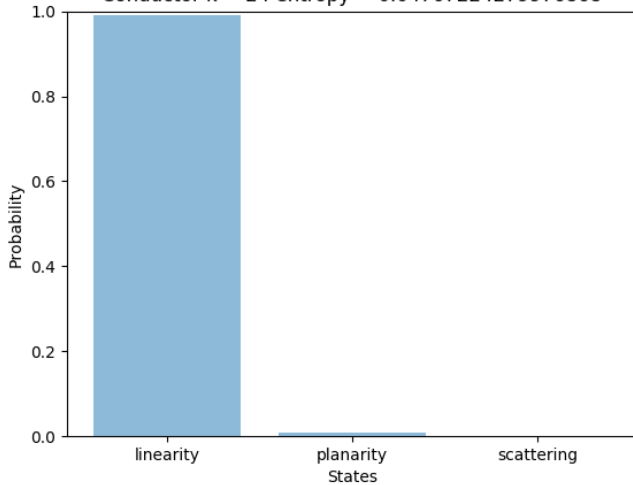
Conductor $k = 21$ entropy = 0.05407593549470334



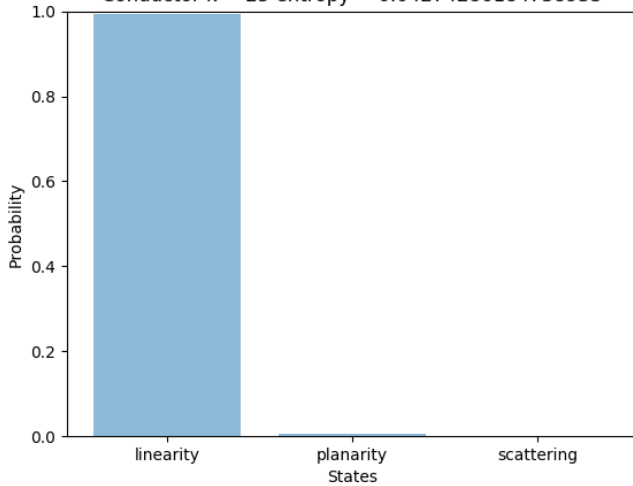




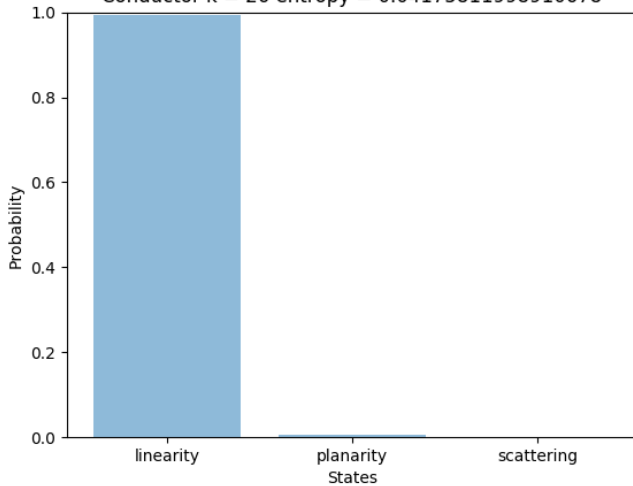
Conductor k = 24 entropy = 0.04767224279976868



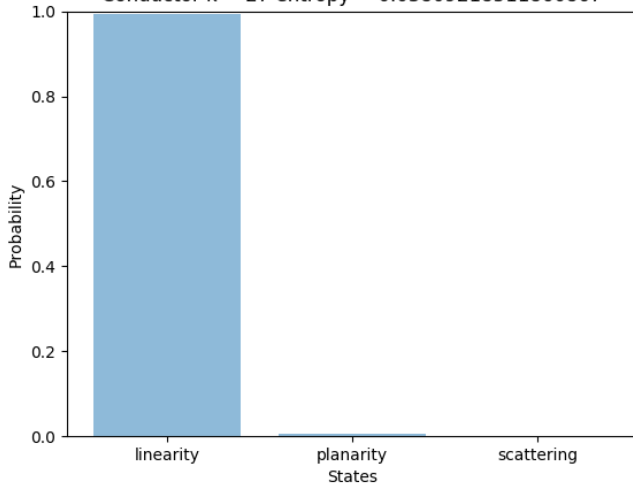
Conductor k = 25 entropy = 0.04274286184738933

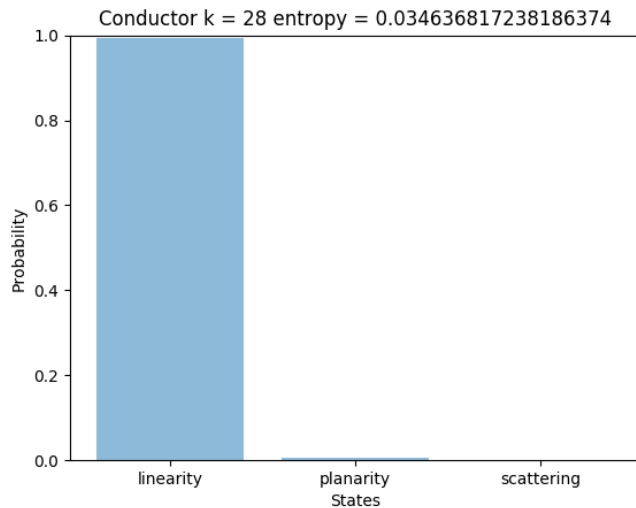


Conductor $k = 26$ entropy = 0.04175811998910678

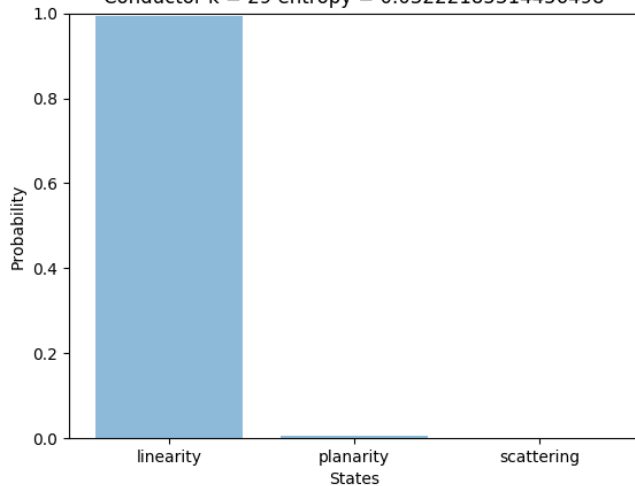


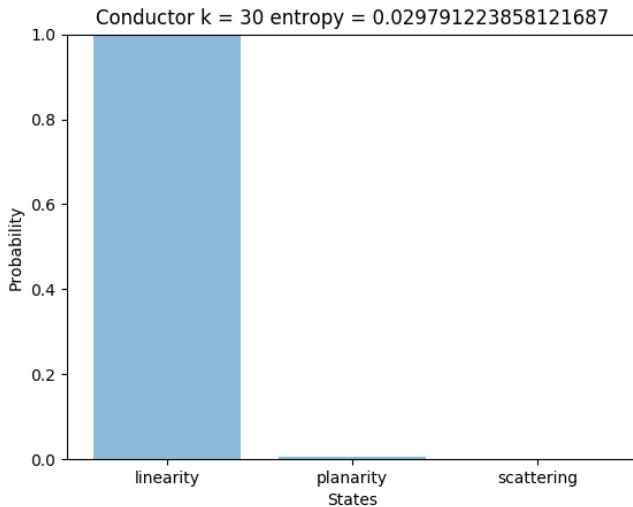
Conductor $k = 27$ entropy = 0.03809218511860867

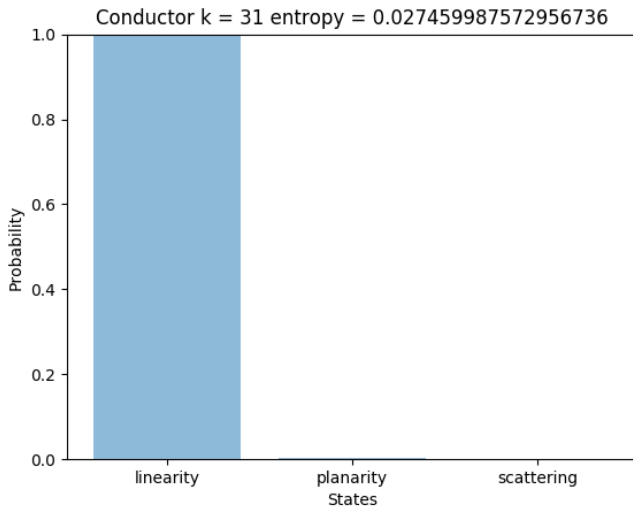


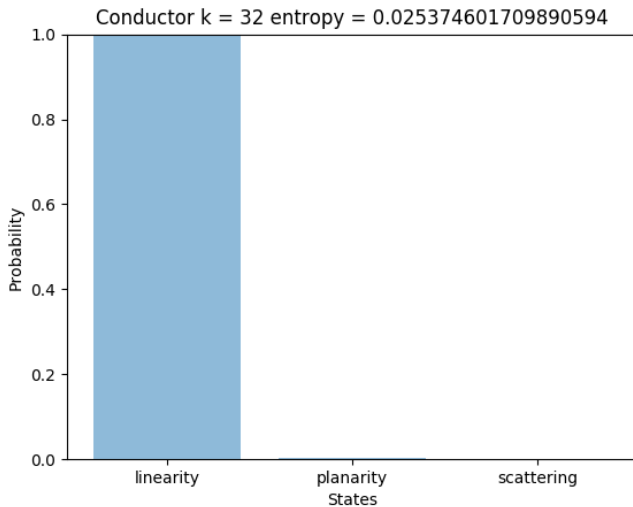


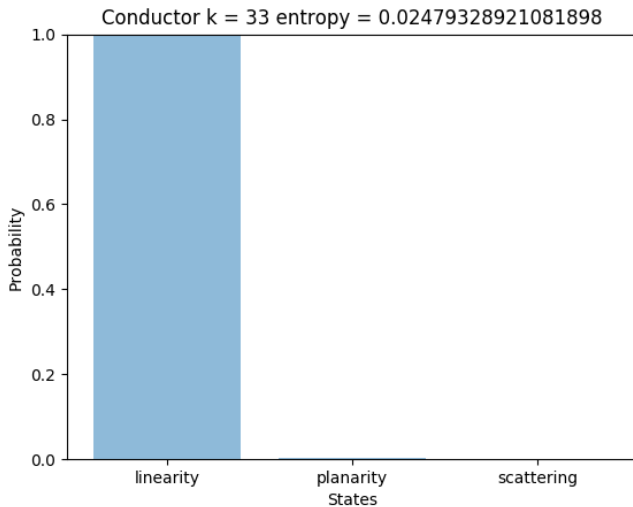
Conductor $k = 29$ entropy = 0.03222185314456498

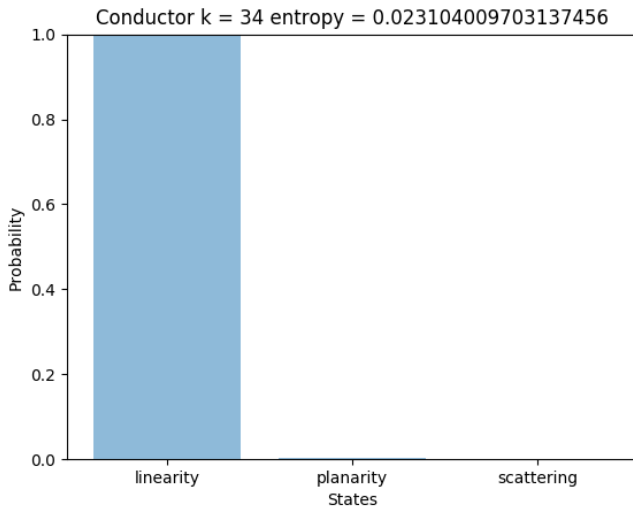


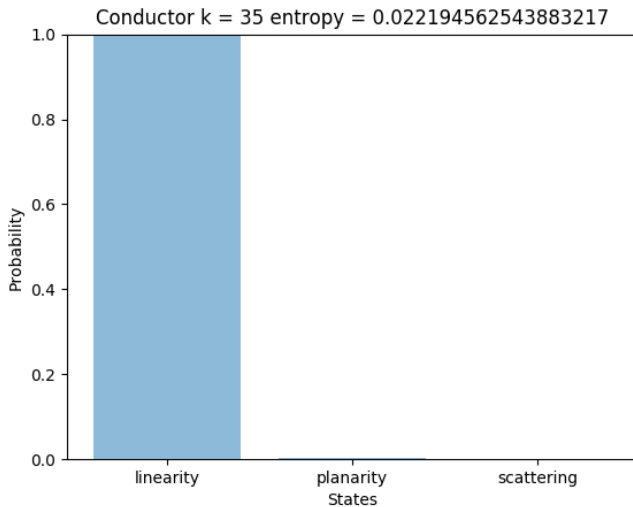


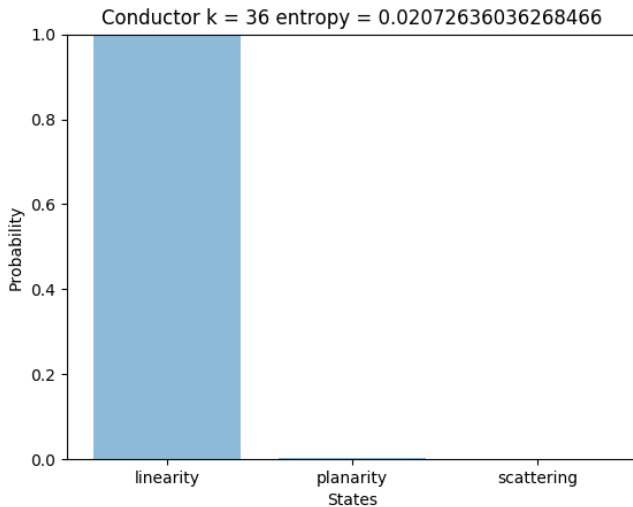




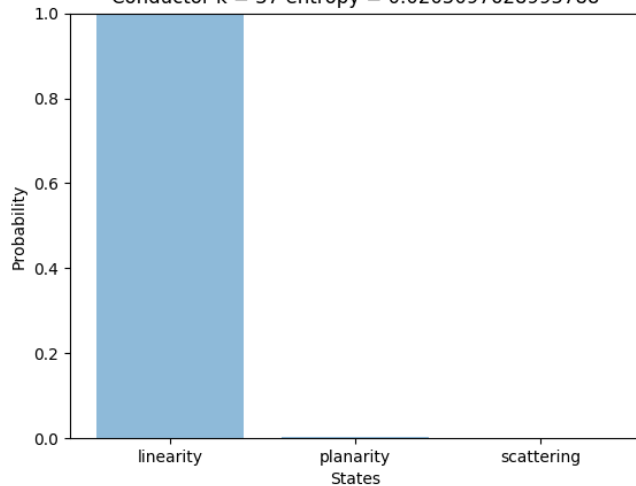


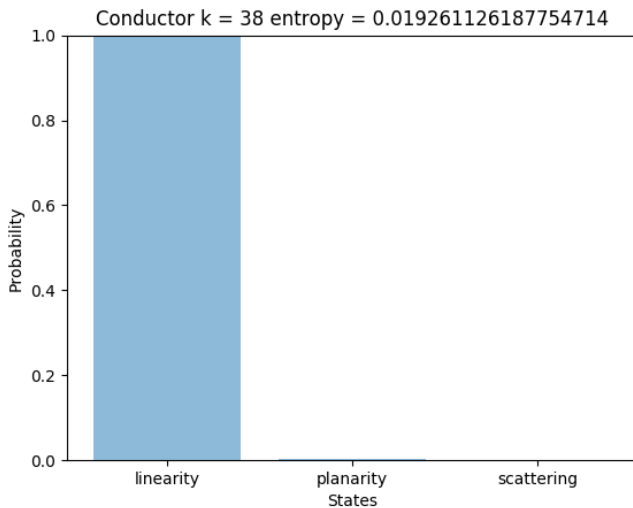


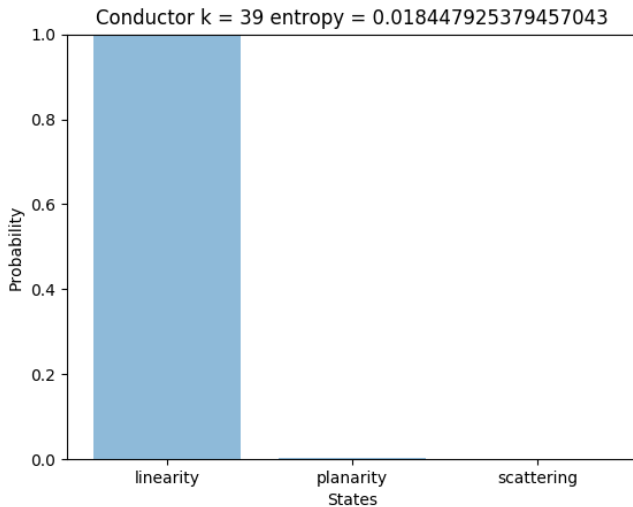


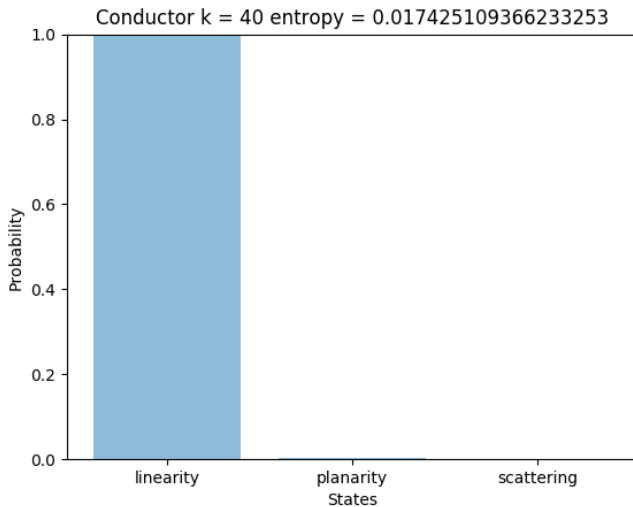


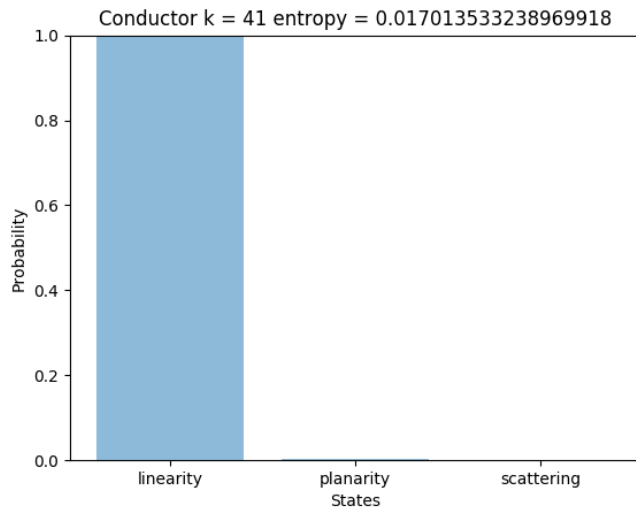
Conductor k = 37 entropy = 0.0205097628995788

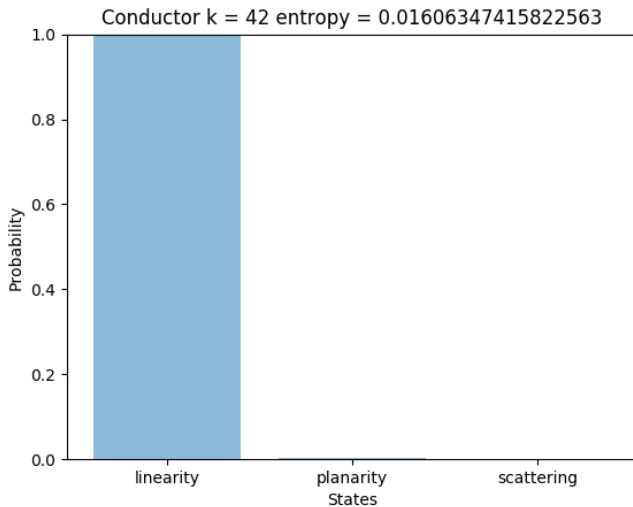


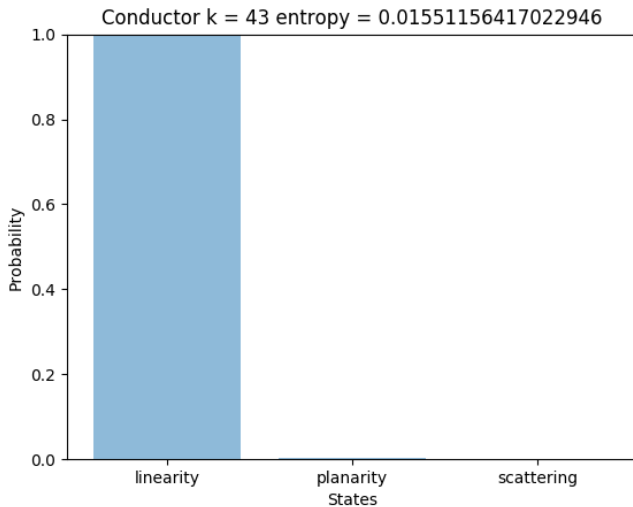


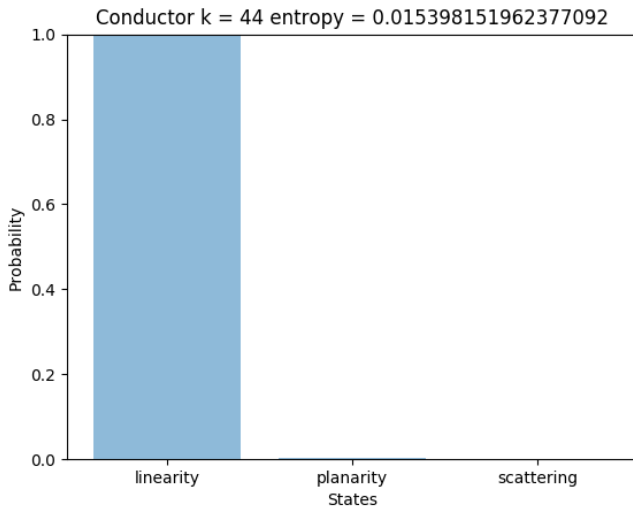


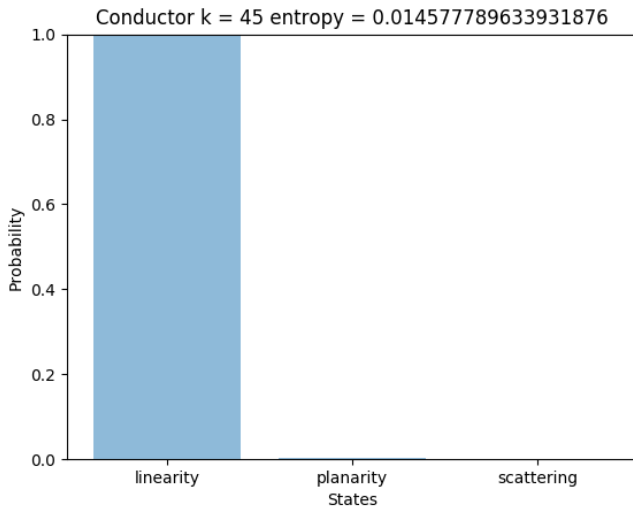


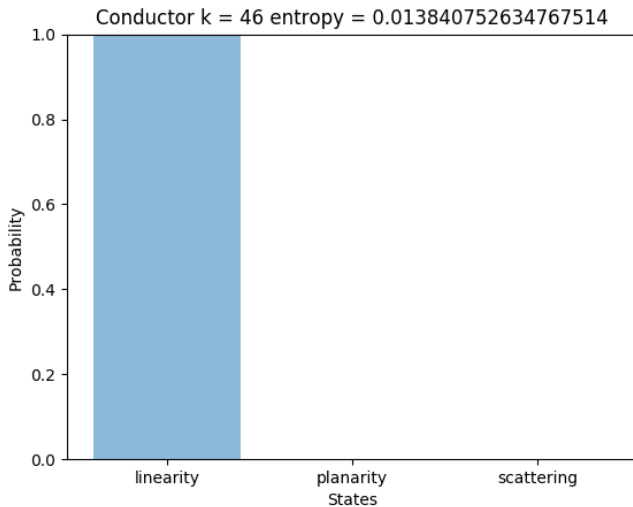




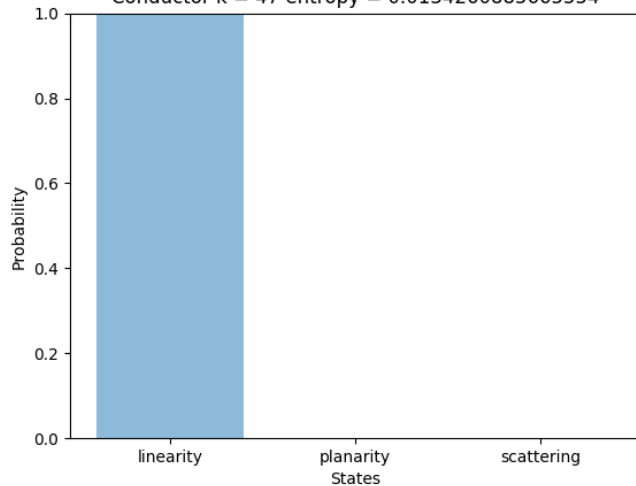


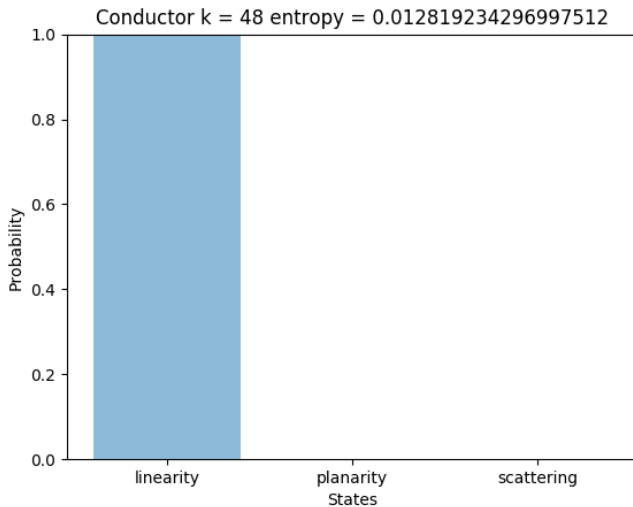


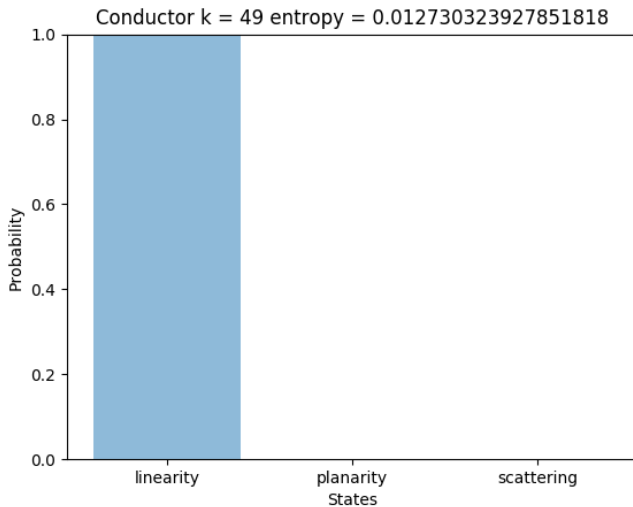


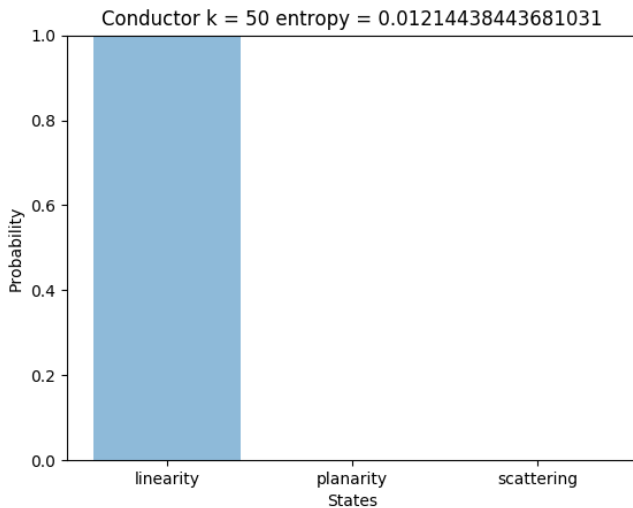


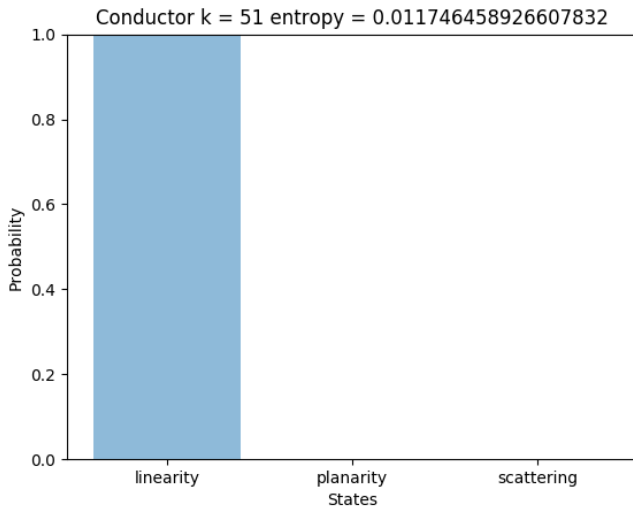
Conductor $k = 47$ entropy = 0.0134260885665554

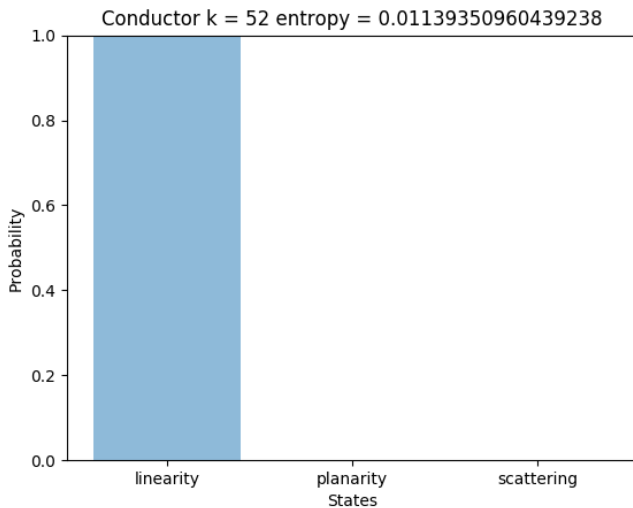


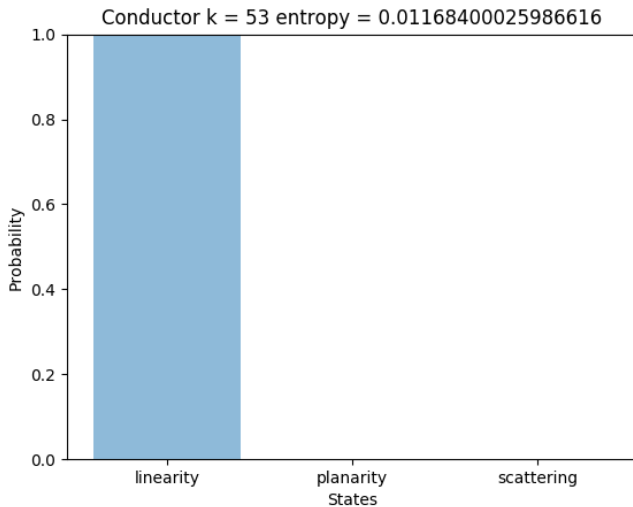


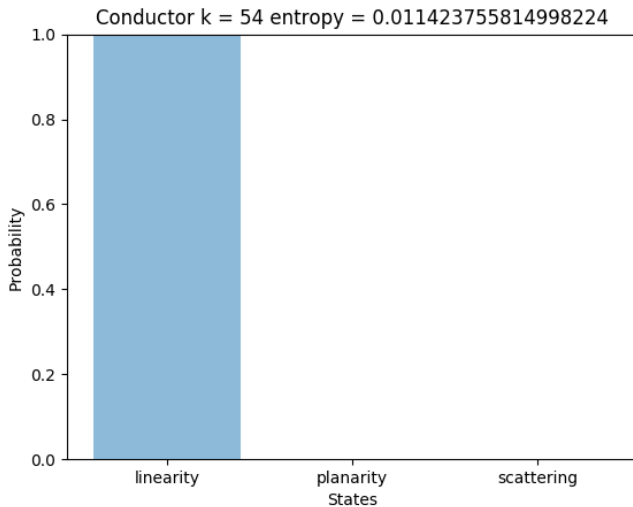




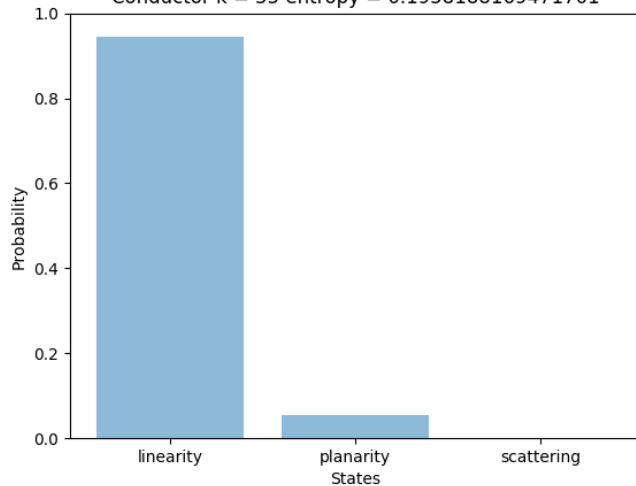




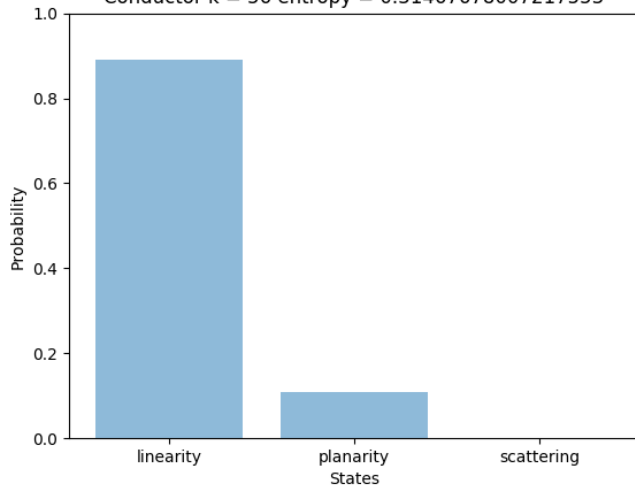




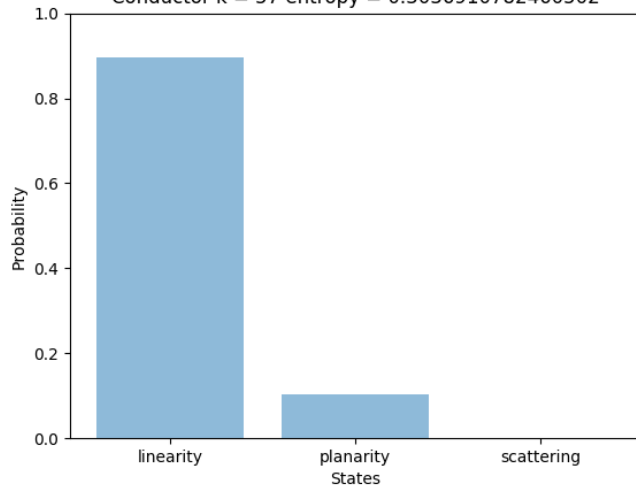
Conductor $k = 55$ entropy = 0.1958188169471701



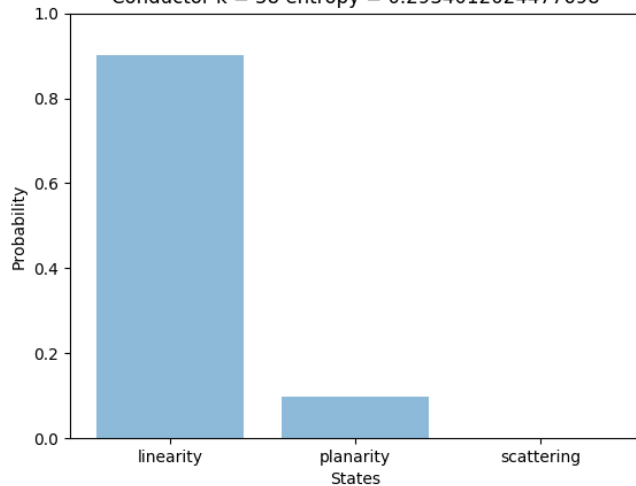
Conductor $k = 56$ entropy = 0.31467678007217553



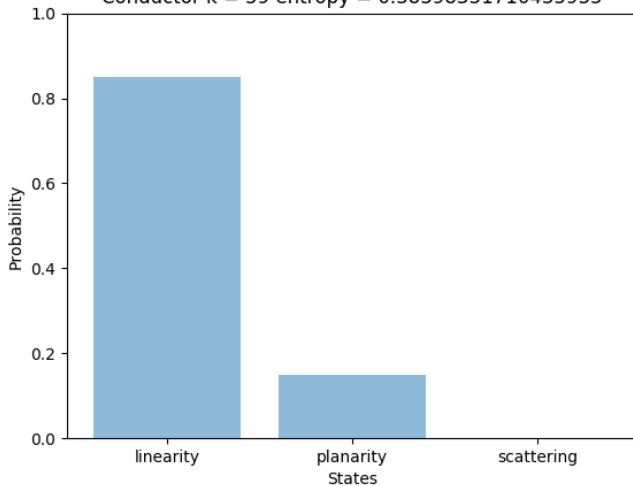
Conductor k = 57 entropy = 0.3036910782460502



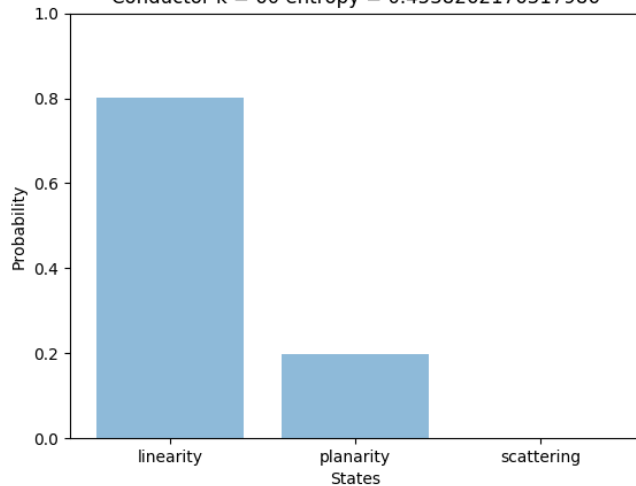
Conductor $k = 58$ entropy = 0.2934012024477698



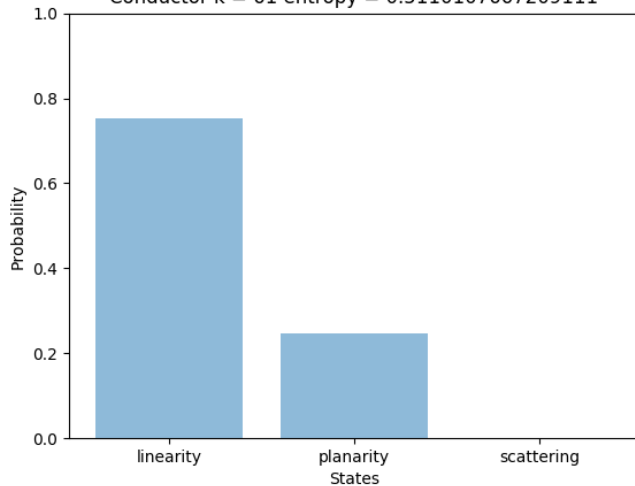
Conductor k = 59 entropy = 0.38398331710435935



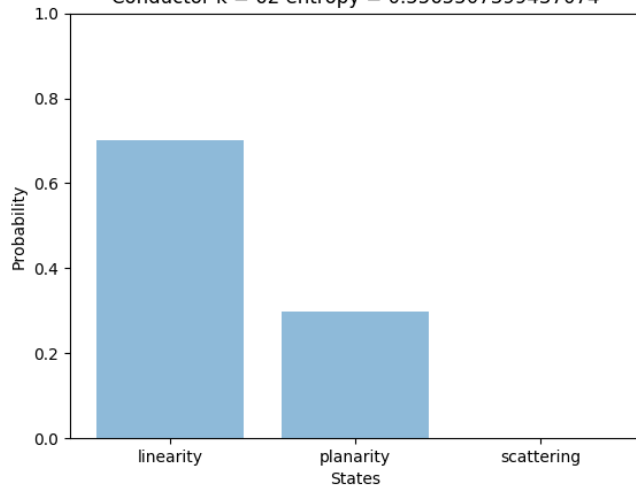
Conductor $k = 60$ entropy = 0.4538262176317986



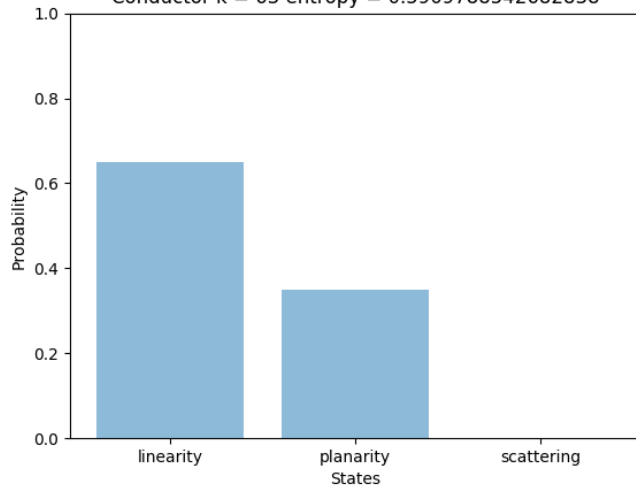
Conductor $k = 61$ entropy = 0.5110107667209111



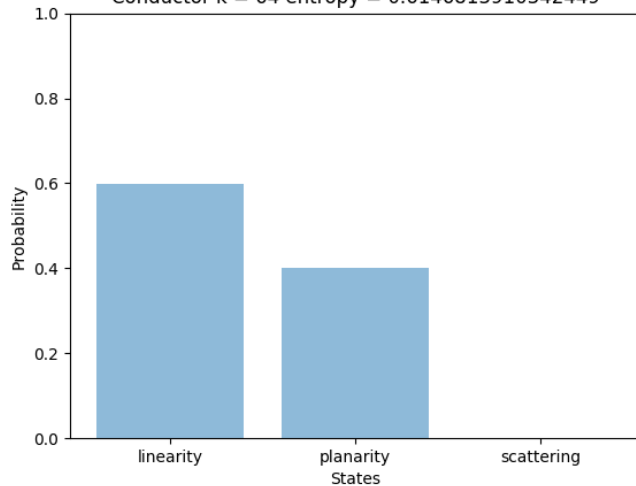
Conductor $k = 62$ entropy = 0.5565507399437074



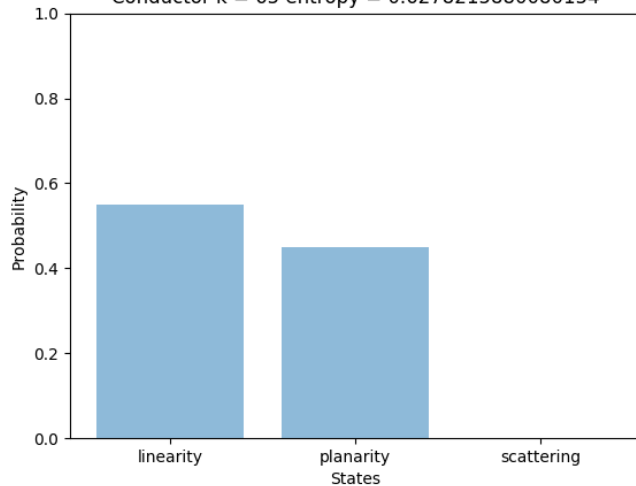
Conductor k = 63 entropy = 0.5909788542682838



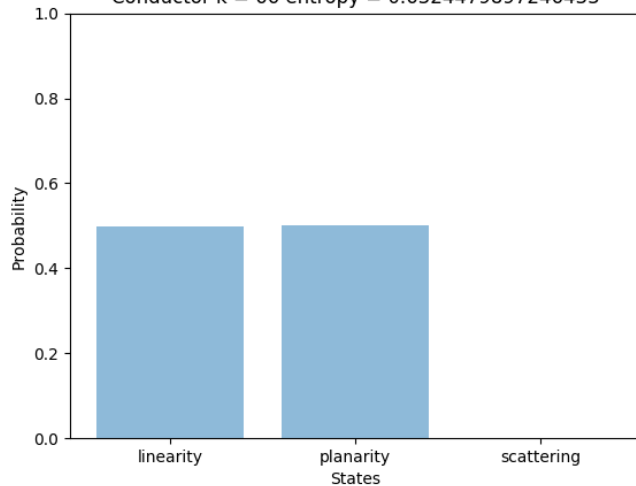
Conductor $k = 64$ entropy = 0.6146813910342449



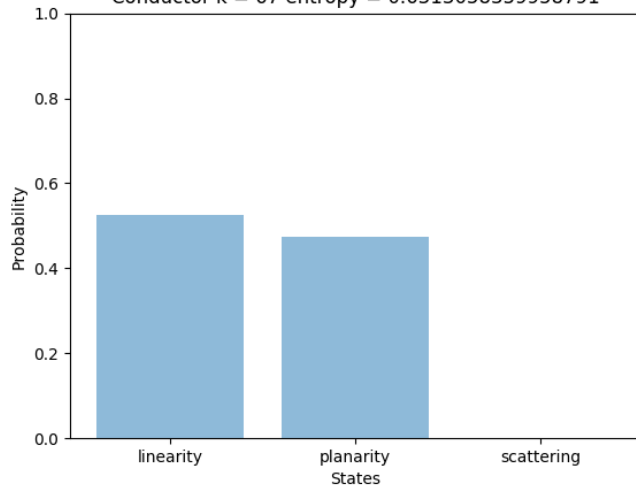
Conductor $k = 65$ entropy = 0.6278215880080154



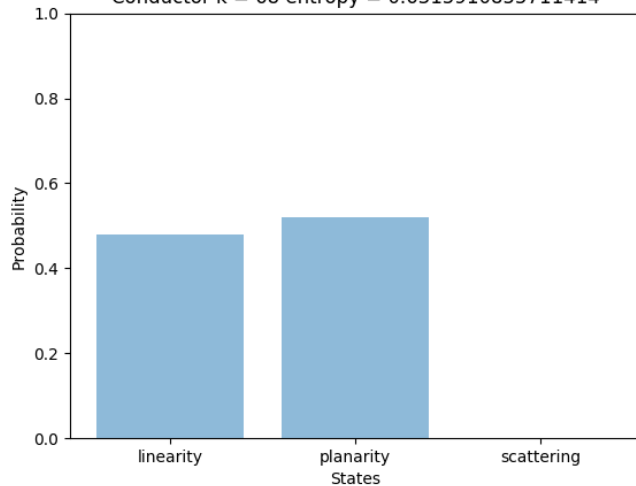
Conductor $k = 66$ entropy = 0.6324479897246433



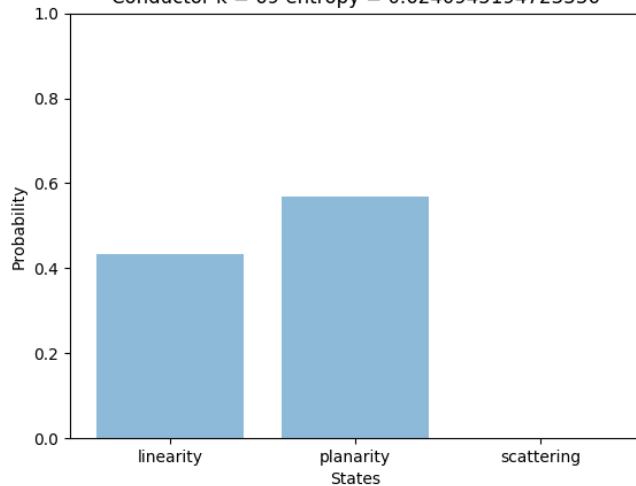
Conductor $k = 67$ entropy = 0.6313058359958791



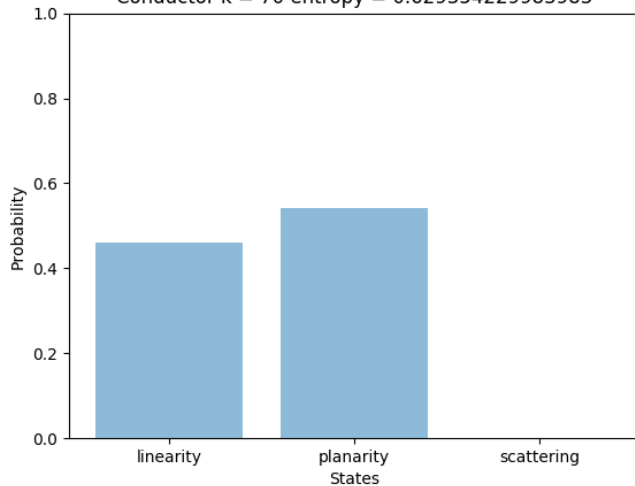
Conductor $k = 68$ entropy = 0.6315910855711414



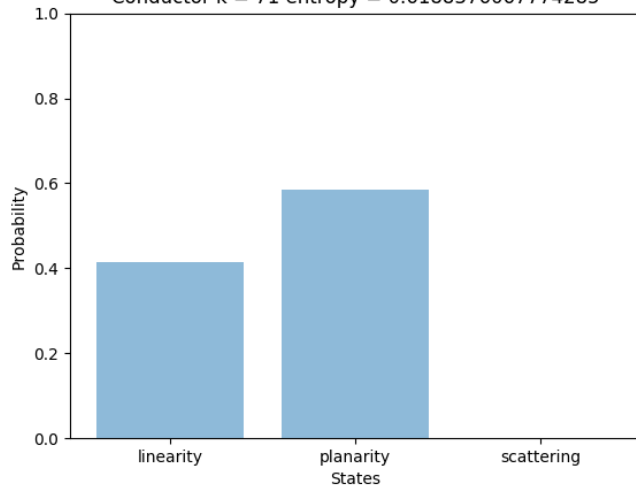
Conductor k = 69 entropy = 0.6240945194723336



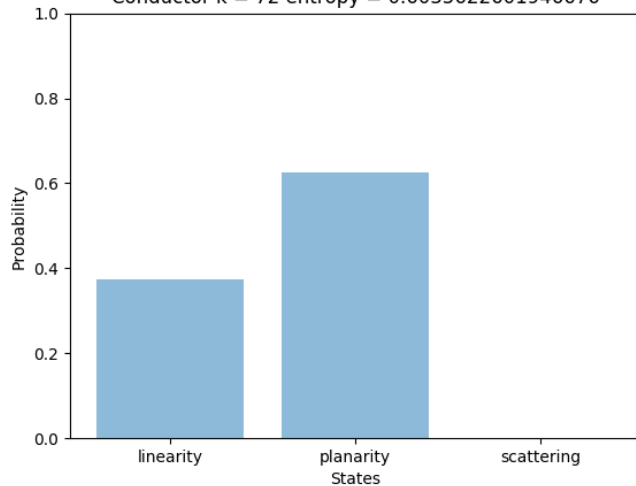
Conductor $k = 70$ entropy = 0.629354229983983



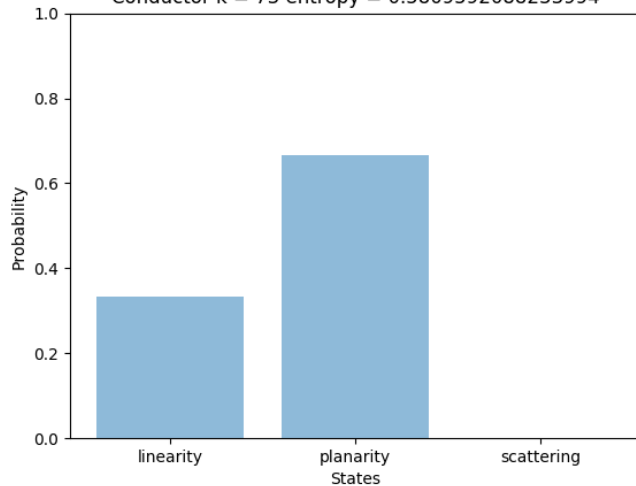
Conductor k = 71 entropy = 0.6188376067774285



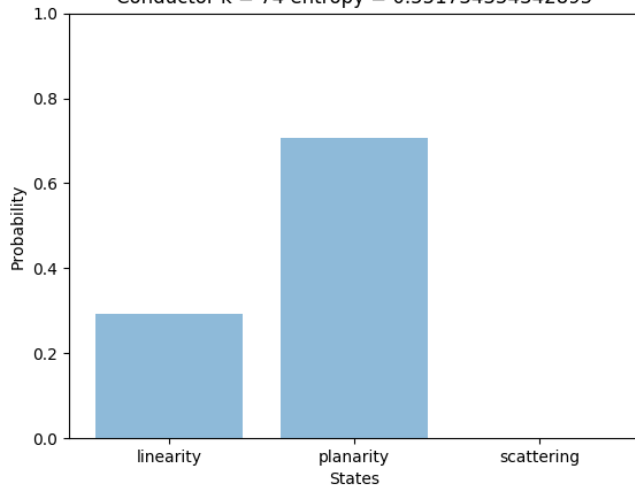
Conductor $k = 72$ entropy = 0.6035622601946676



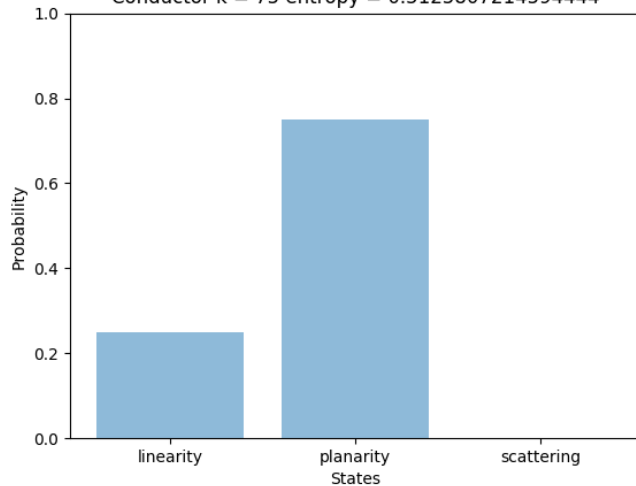
Conductor k = 73 entropy = 0.5809592088233994



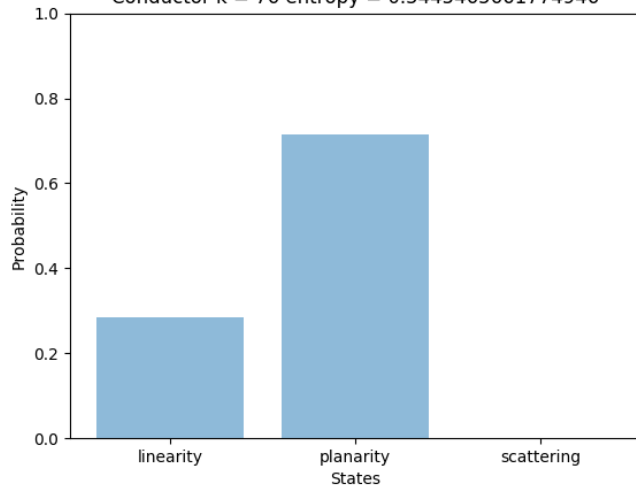
Conductor $k = 74$ entropy = 0.551734354342895



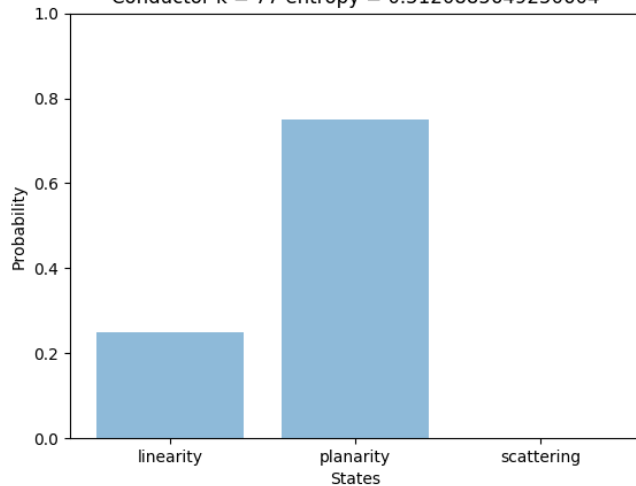
Conductor k = 75 entropy = 0.5125807214594444



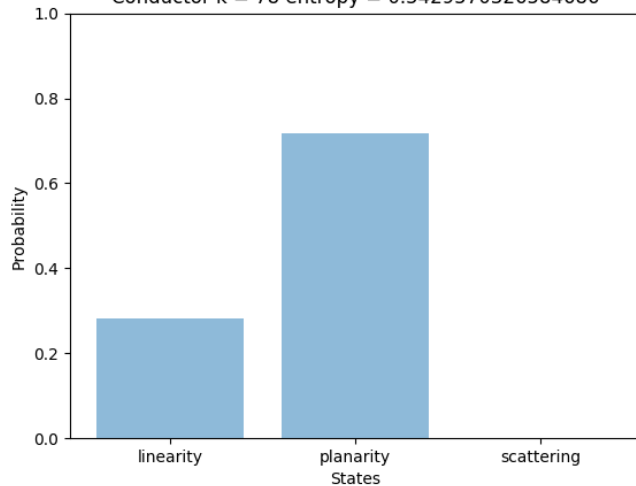
Conductor k = 76 entropy = 0.5445465661774946



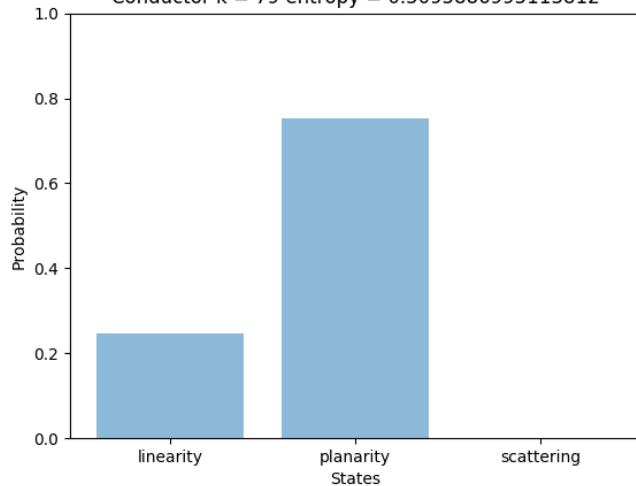
Conductor k = 77 entropy = 0.5120885649250604



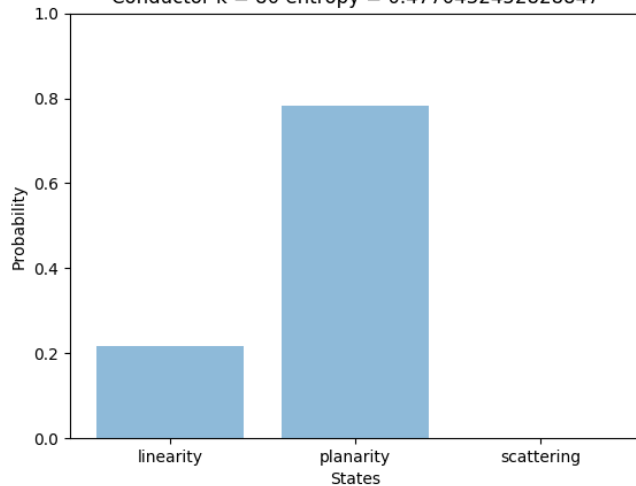
Conductor k = 78 entropy = 0.5429570326584686



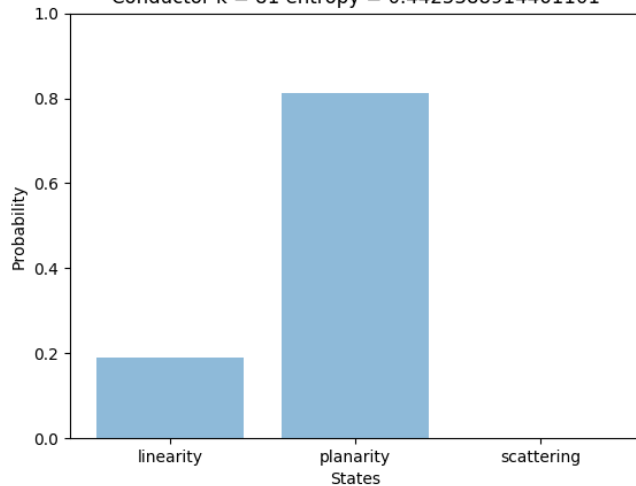
Conductor k = 79 entropy = 0.5095886995113812



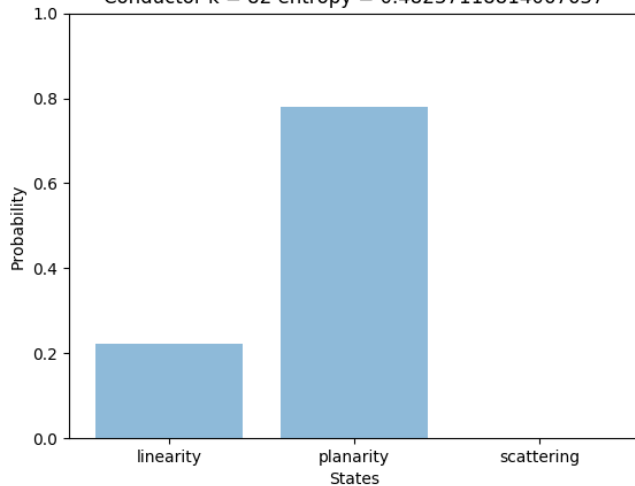
Conductor $k = 80$ entropy = 0.4770432452828847



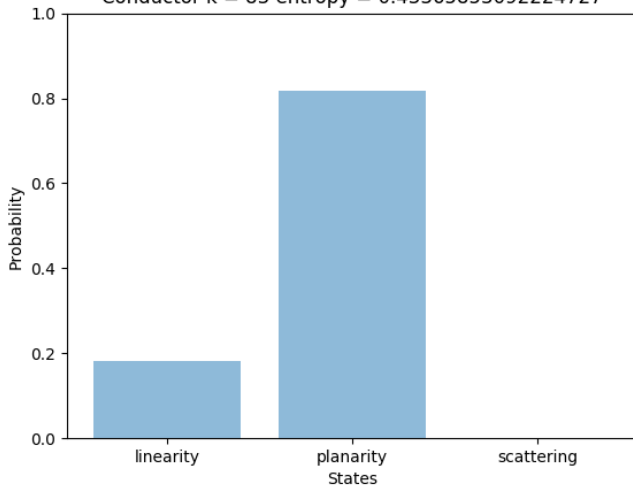
Conductor $k = 81$ entropy = 0.4425388914461101



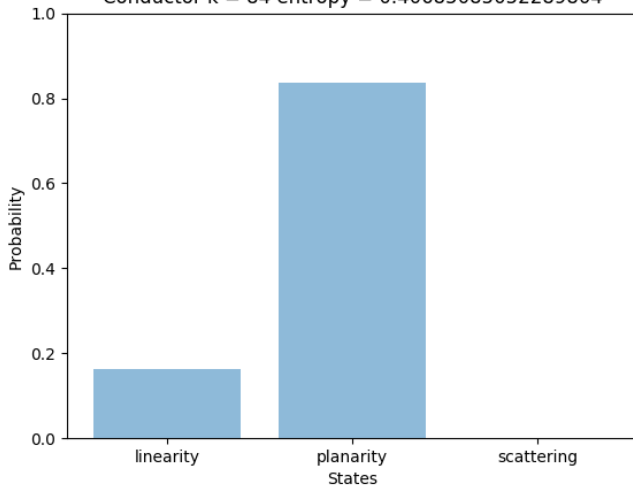
Conductor k = 82 entropy = 0.48237118814067637



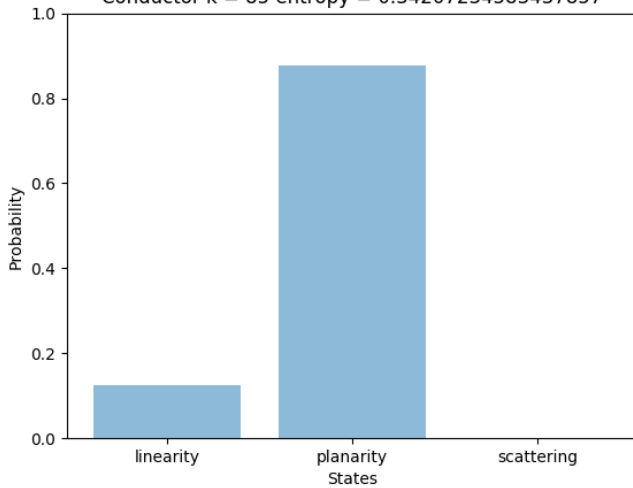
Conductor k = 83 entropy = 0.43365853092224727



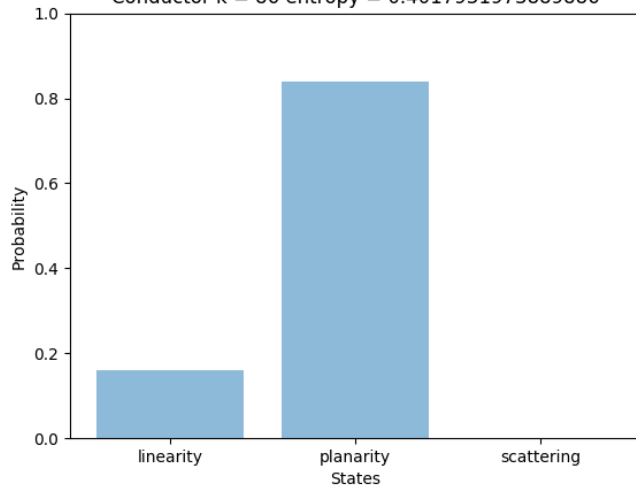
Conductor $k = 84$ entropy = 0.40685085052289804



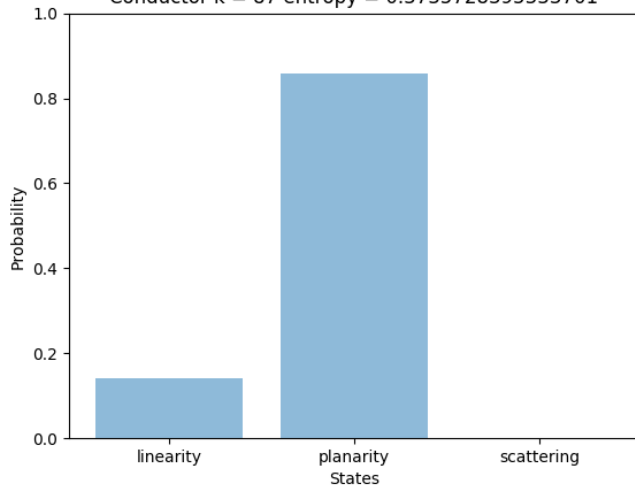
Conductor $k = 85$ entropy = 0.34207234583437857



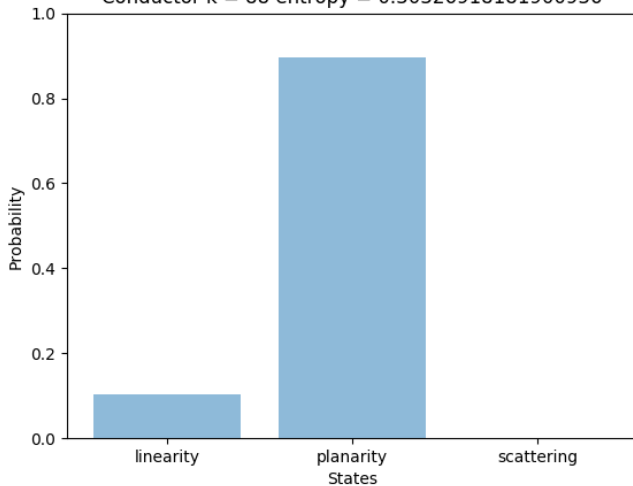
Conductor $k = 86$ entropy = 0.4017931973889886



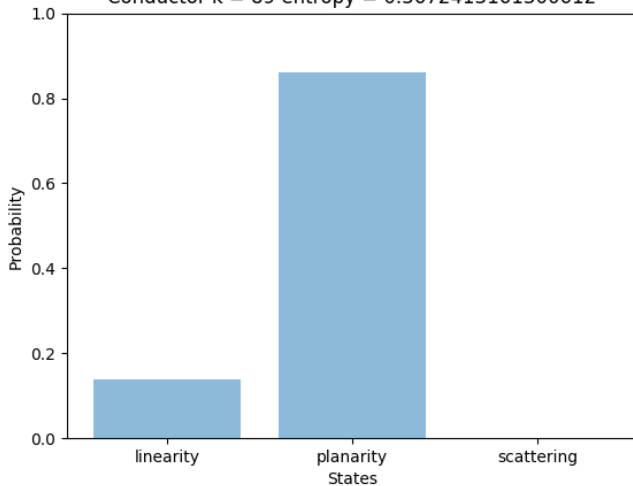
Conductor $k = 87$ entropy = 0.3735728395333701



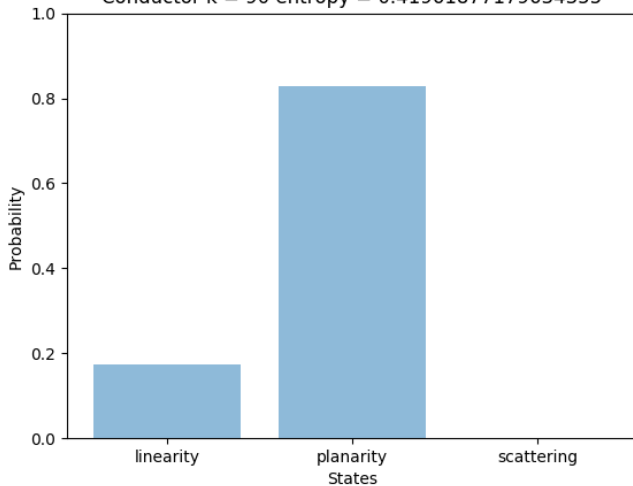
Conductor $k = 88$ entropy = 0.30326918181900936



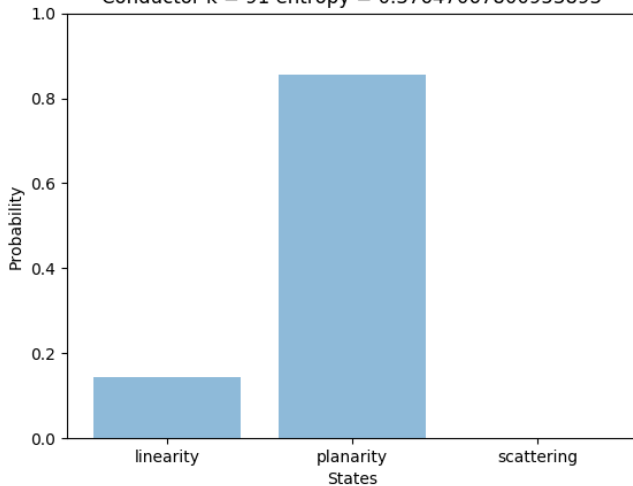
Conductor $k = 89$ entropy = 0.3672413161300612



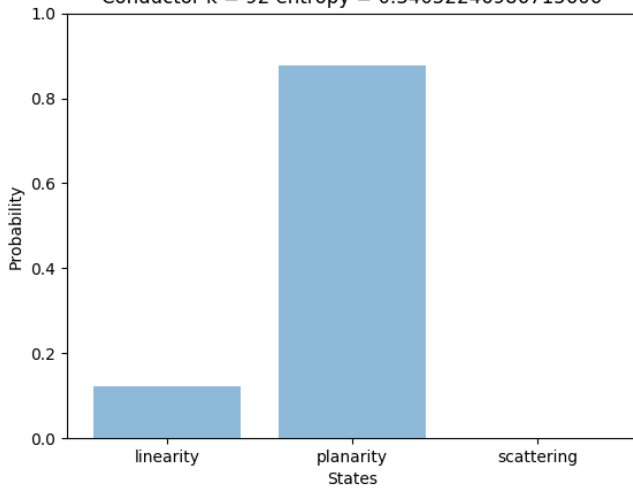
Conductor $k = 90$ entropy = 0.41961877179634355



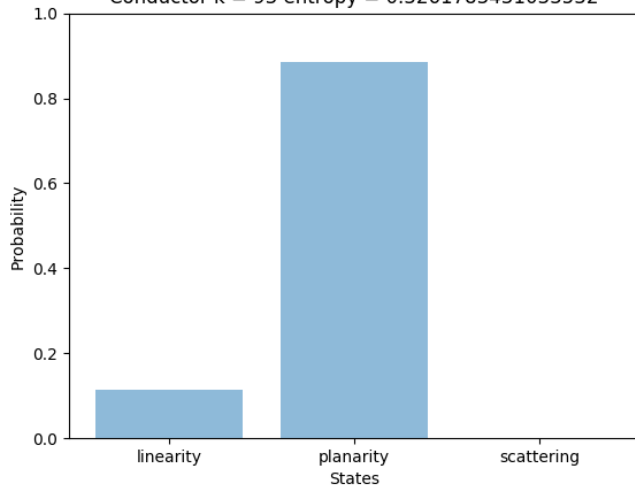
Conductor $k = 91$ entropy = 0.37647067800953893



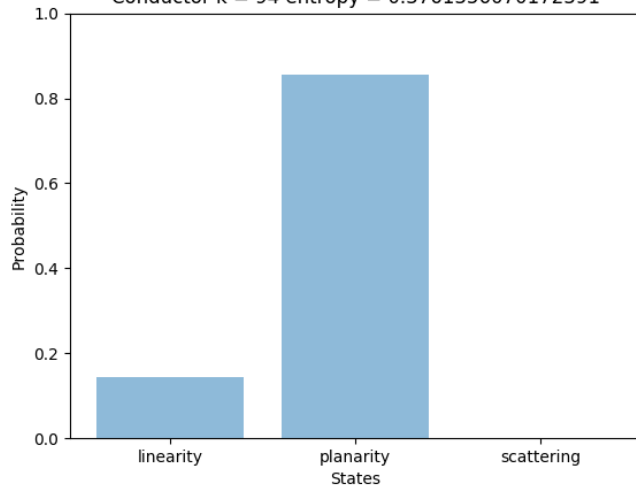
Conductor $k = 92$ entropy = 0.34052246986715606



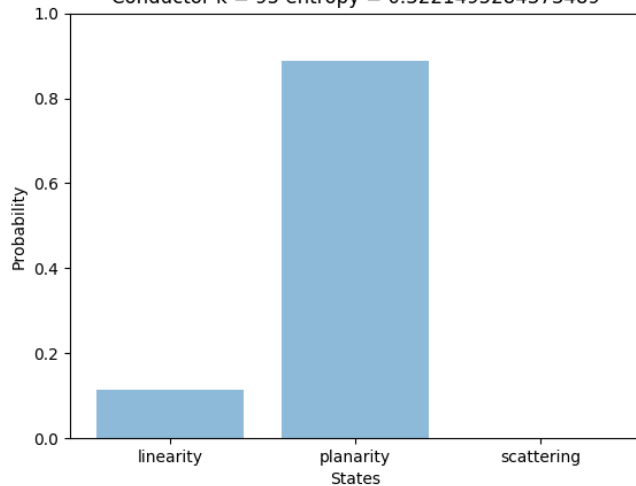
Conductor $k = 93$ entropy = 0.3261783431033532



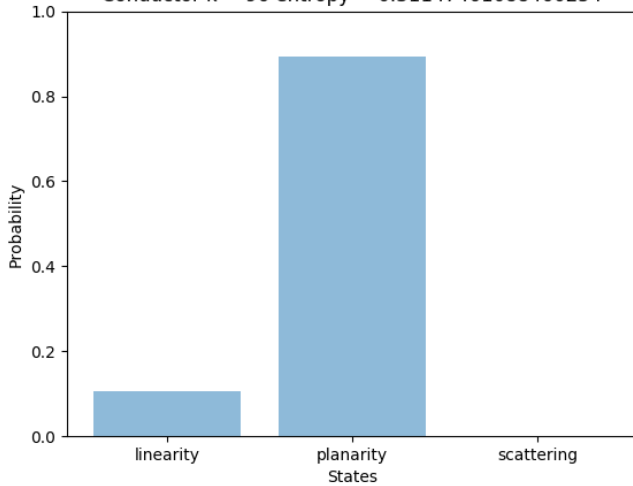
Conductor $k = 94$ entropy = 0.3761356070172391



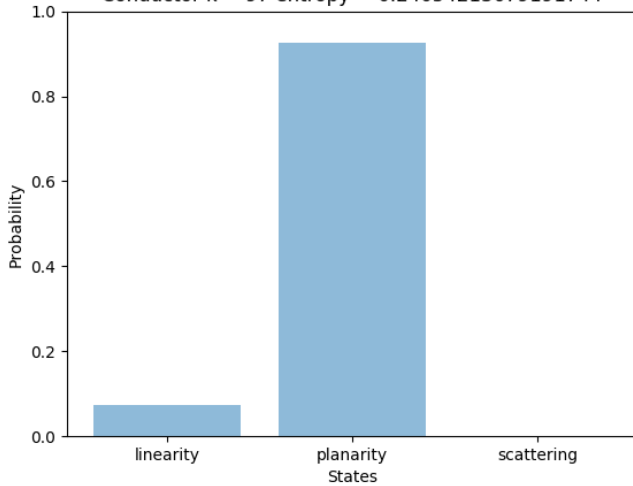
Conductor k = 95 entropy = 0.3221495284373489



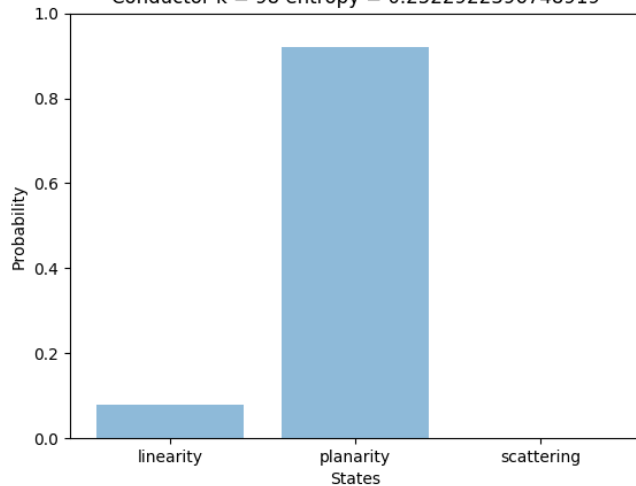
Conductor $k = 96$ entropy = 0.31147461088460254



Conductor k = 97 entropy = 0.24054213679191744



Conductor k = 98 entropy = 0.2522922396748919



Conductor k = 99 entropy = 0.3099031975584666

