

For Rx(Theta) : ARBITRARY ERROR

00 - (14th qubit)(13th qubit)

Rx(Theta)	Output state with counts	00	01	10	11	8192 shots
-pi	{'0100000 00000000' : 8192}	1	0	0	0	
-14pi/15	{'0000000 00000000' : 91, '01000000 0000000': 8101}	0.011	0.988	0	0	
-13pi/15	{'0000000 00000000' : 373, '01000000 0000000': 7819}	0.045	0.954	0	0	
-12pi/15	{'0000000 00000000' : 794, '01000000 0000000': 7398}	0.096	0.903	0	0	
-11pi/15	{'0000000 00000000' : 1350, '01000000 0000000': 6842}	0.164	0.835	0	0	
-10pi/15	{'0000000 00000000' : 2060, '01000000 0000000': 6132}	0.251	0.748	0	0	
-9pi/15	{'0100000 00000000' : 5331, '00000000 0000000': 2861}	0.650	0.349	0	0	
-8pi/15	{'0100000	0.548	0.451	0	0	

	00000000' : 4495, '00000000 0000000': 3697}					
-7pi/15	{'0100000 00000000' : 3676, '00000000 0000000': 4516}	0.448	0.551	0	0	
-6pi/15	{'0100000 00000000' : 2815, '00000000 0000000': 5377}	0.343	0.656	0	0	
-5pi/15	{'0100000 00000000' : 2055, '00000000 0000000': 6137}	0.250	0.749	0	0	
-4pi/15	{'0100000 00000000' : 1311, '00000000 0000000': 6881}	0.160	0.839	0	0	
-3pi/15	{'0100000 00000000' : 780, '00000000 0000000': 7412}	0.095	0.904	0	0	
-2pi/15	{'0100000 00000000' : 348, '00000000 0000000': 7844}	0.042	0.957	0	0	
-pi/15	{'0100000 00000000' : 79, '00000000 0000000': 8113}	0.009	0.990	0	0	

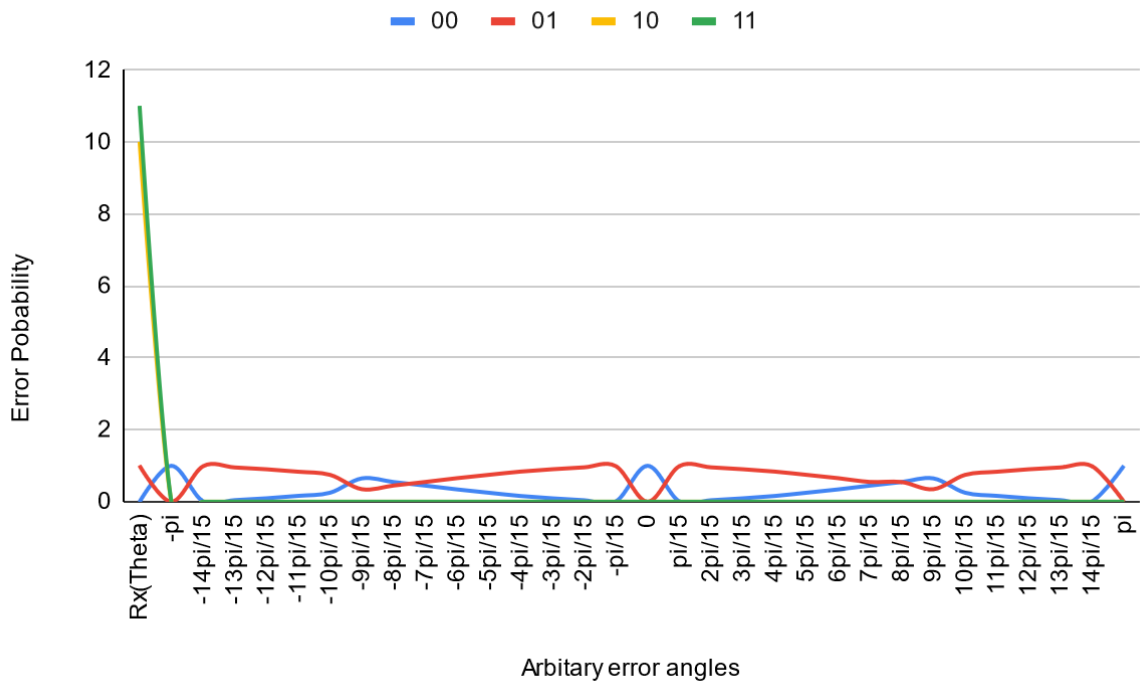
0	{'0000000 00000000' : 8192}	1	0	0	0	
pi/15	{'0100000 00000000' : 79, '00000000 00000000': 8113}	0.009	0.990	0	0	
2pi/15	{'0100000 00000000' : 348, '00000000 00000000': 7844}	0.042	0.957	0	0	
3pi/15	{'0100000 00000000' : 780, '00000000 00000000': 7412}	0.095	0.904	0	0	
4pi/15	{'0100000 00000000' : 1311, '00000000 00000000': 6881}	0.160	0.839	0	0	
5pi/15	{'0100000 00000000' : 2055, '00000000 00000000': 6137}	0.250	0.749	0	0	
6pi/15	{'0100000 00000000' : 2815, '00000000 00000000': 5377}	0.343	0.656	0	0	
7pi/15	{'0100000 00000000' : 3676, '00000000 00000000': 4516}	0.448	0.551	0	0	
8pi/15	{'0100000 00000000'	0.548	0.548	0	0	

	: 4495, '00000000 0000000': 3697}					
9pi/15	{'0100000 00000000' : 5331, '00000000 0000000': 2861}	0.650	0.349	0	0	
10pi/15	{'00000000 00000000' : 2060, '01000000 0000000': 6132}	0.251	0.748	0	0	
11pi/15	{'00000000 00000000' : 1350, '01000000 0000000': 6842}	0.164	0.835	0	0	
12pi/15	{'00000000 00000000' : 794, '01000000 0000000': 7398}	0.096	0.903	0	0	
13pi/15	{'00000000 00000000' : 373, '01000000 0000000': 7819}	0.045	0.954	0	0	
14pi/15	{'00000000 00000000' : 91, '01000000 0000000': 8101}	0.011	0.988	0	0	
pi	{'0100000 00000000' : 8192}	1	0	0	0	

ERROR	Output state with count	00	01	10	11
$X(\pi/3)$	{'010000000 000000': 2055, '0000000000 00000': 6137}	0.749	0.250	0	0
$Y(\pi/3)$	{'110000000 000000': 2055, '0000000000 00000': 6137}	0.749	0	0	0.250
$X(\pi/3)Y(\pi/3)$	{'100000000 000000': 483, '1100000000 00000': 1510, '0100000000 00000': 1571, '0000000000 00000': 4628}	0.564	0.191	0.058	0.184
$X(2\pi/3)Y(\pi/3)$	{'110000000 000000': 471, '1000000000 00000': 1543, '0100000000 00000': 4630, '0000000000 00000': 1548}	0.188	0.565	0.188	0.057
$X(\pi/3)Y(2\pi/3)$	{'100000000 000000': 1543, '1100000000 00000': 4553, '0100000000	0.188	0.066	0.188	0.555

	00000': 548, '0000000000 00000': 1548}				
$X(2\pi/3)Y(2\pi/3)$	{'000000000 000000': 517, '0100000000 00000': 1571, '1100000000 00000': 1510, '1000000000 00000': 4594}	0.063	0.191	0.560	0.184
$X(\pi/2)Y(\pi/2)$	{'100000000 000000': 2007, '1100000000 00000': 2011, '0100000000 00000': 2066, '0000000000 00000': 2108}	0.257	0.252	0.244	0.245
H	{'010000000 000000': 4077, '1000000000 00000': 4115}	0	0.497	0.502	0

Plot:



Similarly we can do with RY and RZ arbitrary gate errors.