

My experimental data for Lab 13, 8/22/2013 -Jonathan Valvano

n	Actual (V)	Theory (V)	Error (V)	Error /3.3V	Resolution (V)
0	0.000	0.000	0.000	0.00%	
1	0.224	0.220	0.004	0.12%	0.224
2	0.447	0.440	0.007	0.21%	0.223
3	0.671	0.660	0.011	0.33%	0.224
4	0.879	0.880	0.001	0.03%	0.208
5	1.103	1.100	0.003	0.09%	0.224
6	1.326	1.320	0.006	0.18%	0.223
7	1.550	1.540	0.010	0.30%	0.224
8	1.735	1.760	0.025	0.76%	0.185
9	1.960	1.980	0.020	0.61%	0.225
10	2.183	2.200	0.017	0.52%	0.223
11	2.407	2.420	0.013	0.39%	0.224
12	2.616	2.640	0.024	0.73%	0.209
13	2.841	2.860	0.019	0.58%	0.225
14	3.064	3.080	0.016	0.48%	0.223
15	3.289	3.300	0.011	0.33%	0.225

Average accuracy of full scale(V)= 0.012

0.35%

Average resolution (V)= 0.219

