

APPENDIX J

List of the Ideal DAC's output, DAC6's output and the error

List of the Ideal DAC's output, DAC6's output and the error for

$V_p = 3 \text{ V}$

$V_N = 0 \text{ V}$

Input Code	Ideal DAC Output (V)	DAC6 Output (V)	Error (V)	Input Code	Ideal DAC Output (V)	DAC6 Output (V)	Error (V)
000000	0	0	0	100000	1.524	1.524	200.1e-6
000001	47.62e-3	46.85e-3	7.69e-4	100001	1.571	1.574	-2.644e-3
000010	95.24e-3	93.73e-3	1.508e-3	100010	1.619	1.622	-2.475e-3
000011	142.9e-3	140.7e-3	2.202e-3	100011	1.667	1.669	-2.088e-3
000100	190.5e-3	187.6e-3	2.856e-3	100100	1.714	1.716	-1.519e-3
000101	238.1e-3	234.6e-3	3.469e-3	100101	1.762	1.763	-783.9e-6
000110	285.7e-3	281.7e-3	4.04e-3	100110	1.81	1.809	103.7e-6
000111	333.3e-3	328.8e-3	4.569e-3	100111	1.857	1.856	1.131e-3
001000	381e-3	380.9e-3	50e-6	101000	1.905	1.905	250.2e-6
001001	428.6e-3	428.4e-3	138.8e-6	101001	1.952	1.955	-3.06e-3
001010	476.2e-3	475.3e-3	887.3e-6	101010	2	2.003	-2.638e-3
001011	523.8e-3	522.2e-3	1.59e-3	101011	2.048	2.05	-2.115e-3
001100	571.4e-3	569.2e-3	2.245e-3	101100	2.095	2.097	-1.501e-3
001101	619e-3	616.2e-3	2.852e-3	101101	2.143	2.144	-802.7e-6
001110	666.7e-3	663.3e-3	3.409e-3	101110	2.19	2.191	-30.08e-6
001111	714.3e-3	710.4e-3	3.915e-3	101111	2.238	2.237	809.4e-6
010000	761.9e-3	761.8e-3	100e-6	110000	2.286	2.285	300.2e-6
010001	809.5e-3	810e-3	-468e-6	110001	2.333	2.337	-3.542e-3
010010	857.1e-3	856.8e-3	305.4e-6	110010	2.381	2.384	-2.955e-3
010011	904.8e-3	903.7e-3	1.022e-3	110011	2.429	2.431	-2.332e-3
010100	952.4e-3	950.7e-3	1.681e-3	110100	2.476	2.478	-1.679e-3
010101	1	997.7e-3	2.279e-3	110101	2.524	2.525	-1.003e-3
010110	1.048	1.045	2.815e-3	110110	2.571	2.572	-312.6e-6
010111	1.095	1.092	3.286e-3	110111	2.619	2.619	386.3e-6
011000	1.143	1.143	150.1e-6	111000	2.667	2.666	350.2e-6
011001	1.19	1.192	-1.245e-3	111001	2.714	2.718	-3.984e-3
011010	1.238	1.239	-631.4e-6	111010	2.762	2.765	-3.229e-3
011011	1.286	1.286	-88.11e-6	111011	2.81	2.812	-2.498e-3
011100	1.333	1.333	395.1e-6	111100	2.857	2.859	-1.8e-3
011101	1.381	1.38	853.3e-6	111101	2.905	2.906	-1.145e-3
011110	1.429	1.427	1.353e-3	111110	2.952	2.953	-541.1e-6
011111	1.476	1.474	1.979e-3	111111	3	3	0