

EE 2920

Dr. Johnson

Homework 7

1) Given a 5 bit D/A with a 3.3 V positive reference and a 0 V negative reference provide the D/A output for the following input codes 25pts

0x 02

0x 0C

0x 1A

2) Given a 7 bit D/A with a 2.5 V positive reference and a 0 V negative reference provide the D/A output for the following input codes 25pts

0x 24

0x 54

0x 84

3) Research what INL, DNL and non-Monotonic mean with respect to D/A converters. Draw a simple diagram showing each of these 50pts