

Data Converters: DAC and ADC topic items.

Chapter 11 - All, section 11.4 is the lowest priority.

Chapter 12 - Mainly section 12.2, some of section 12.3 (basic idea of thermometer code)

Chapter 13 – Section 13.2 and A/D design book sheets - basic idea of a SAR A/D.

Section 13.4 Flash ADC, compare Fig. 13.16 to A/D design book.

Keep in mind that capacitor ratios are often used instead of resistor ratios in the feedback of an OTA. This usually means a switching (clocking) methodology has to be used so that the “DC” bias conditions developed from using feedback can be realized.