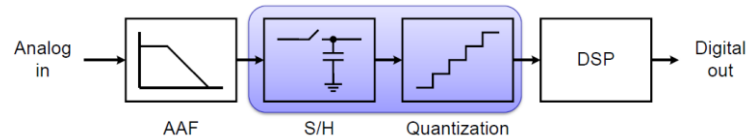


## Analog Systems Design

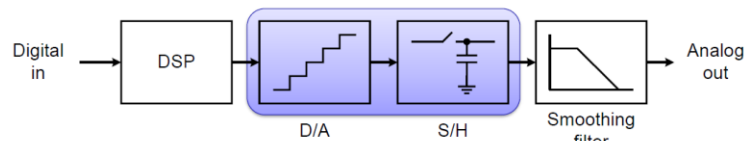
### 4. Data Converters Specifications 1 (DC characteristics)

#### 1. ADC Vs DAC

##### - ADC



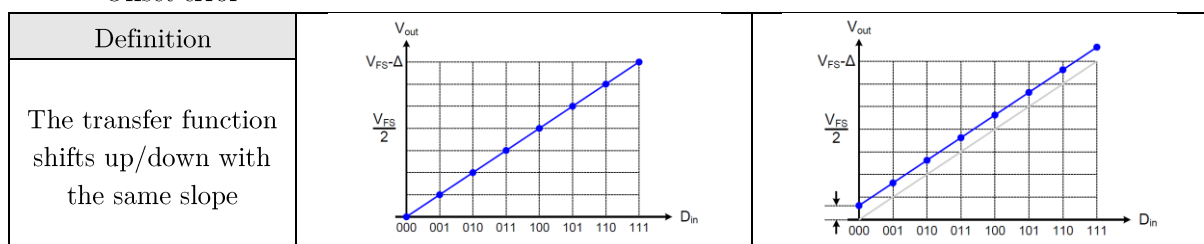
##### - DAC



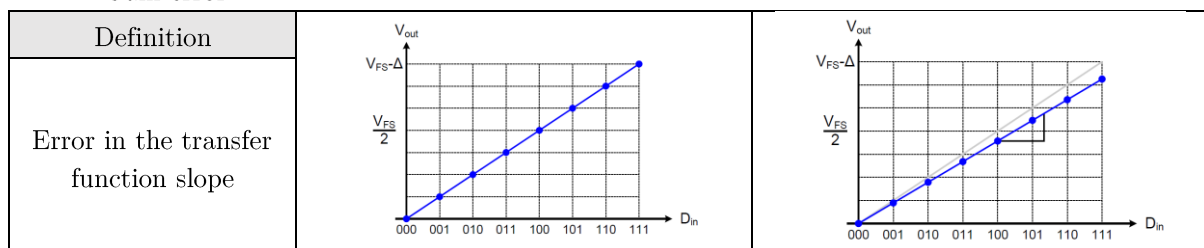
- Signals could be **Unipolar** : 0 to FS or **Bipolar** : -FS to FS

#### 2. Static DC Specifications

##### - Offset error



##### - Gain error



1) Offset error and Gain error can be calibrated by two points calibrations

1. Trim the gain error (+/- error correction factor)
2. Trim the gain error

##### - DAC monotonicity

