

# ADA

## Analog-to-Digital and Digital-to-Analog Conversion

# Structure

## A/D & D/A Converter

### Theory

1. Introduction

2. Value Discrete (Quantized)

3. Time Discrete (Sampled)

4. A/D/A Behavioral Modeling

5. Noise / Accuracy

### Practical

GetStart w. DE1-SoC Board

Use ADA Board

Use DSM Board

DE1-SoC: ADC LTC2308

GetStart w. DCDCbuck

Check Digital PWM

Matlab: A/D/A modeling

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