

Introduction

- Example for the difference between analog and digital systems:
 - Cassette tape vs. CD
- Concept #1: the sound we hear is caused by pressure changes on our eardrum over time
- Concept #2: an analog recording uses some physical quantity to represent these changes in pressure
- Concept #3: a digital recording samples the pressure and represents it as a sequence of numbers
- In this class we will learn (among other things) how to represent those numbers and how to manipulate them using *digital circuitry*