Joel Burkert

Biocomputing Design Lab

Dr. Cooper

10/08/2021

Lab 1

Introduction

A pulse width modulation takes advantage of the inability of electrical components to quickly react to rapid changes in voltage to produce a signal that seems constant. They are especially useful when a system can only produce a power of 100% or 0%, by using a pulse width modulation the system can achieve an output that seems like 50%. A PWM can be used for many things such as audio fidelity or as part of a H-bridge.