Abstract for 6.111 Project:

# A Morse Code Decoder

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*Abstrcat:*

The goal of this project is to produce a system that will decode Morse Code signals from a possibly noisy audio source, and display the decoded text on a screen. The system might also produce Morse Code signals via input from a keyboard.

The core of the project will be a Morse Code decoder that will take as its input a series of pulses, and a screen driver that will render the decoded text on a screen. Possible extensions to the project include: A Morse code detector which can 'guess' whether an arbitrary signal contains a Morse Code message, filters to isolate a Morse Code pulses from that signal and a Morse Code generator that produces a series of pulses from input via a keyboard.