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ABSTRACT: Music Visualization System

Our project seeks to produce a system for visualizing arbitrary audio sources in real time. These visualizations will, given a frequency analysis of the audio signal, display a visually appealing image on a television, which appears to synchronize with the music. Our system will comprise a number of subsystems including: an analog to digital converter, Fourier transformations, video output, and a processor, running a high level programming language and other lesser important necessities.