

Checkoff List

6.111 Final Project

Maggie Reagan and Liz Schell

Commitment

Audio (Liz):

Beat detector detects a harmonic of the known tempo of the audio for simple audio files

Visual (Maggie):

Rotation algorithm works; able to rotate image a specific angle

Rainbow color shift occurs on command

Goal

Audio (Liz):

Beat detector detects a harmonic of the known tempo of the audio for more medium complexity audio files and/or detects the first harmonic for simple audio files

Visual (Maggie):

Rotation of image happens in real-time or almost real-time (ZBT arbiter works)

Color change happens on beat or within acceptable margin of beat

Stretch Goal

Audio (Liz):

Beat detector detects the known tempo of the audio for most songs

Mandelbrot (both):

Mandelbrot calculation engine functions

Able to display Mandelbrot fractal image

Mandelbrot fractal image can be zoomed/panned