

Unrealised Potential

ARTIST: Leo Fitzmaurice

TITLE: Doppler Symphony

Outline of Unrealised Potential

The proposal is to overlay two Doppler Effect * phenomena (change in pitch and volume) onto a piece of music.

Process

Start with a multi-track recording of a piece of music (one track per instrument).

Split each track of the recording into two sections.

For first section raise the pitch (for the whole section) and increase the volume evenly across the timing of the section.

For second section lower the pitch (for whole section) and decrease the volume evenly across the timing of the section.

Combine section one and two (NB the volume at the end of section1 should match the volume at the beginning of section 2).

Now that the two recordings have been combined (for each instrument) the music will have to be rescored.

The piece is now ready to be performed.

Notes

The above process could be applied to short segments of a symphony. The result being that fragments of the symphony appear to pass the listener in space.

Alternatively the above process can be applied to each of the four movements of a whole symphony. Each movement sounding to the listener like a performance from a vast slow moving body.

* Doppler Effect (definition taken from Wikipedia)

- is the change in frequency (pitch) of a wave for an observer moving relative to the source of the wave. It is commonly heard when a vehicle sounding a siren or horn approaches, passes, and recedes from an observer.

- A siren on a passing emergency vehicle will start out higher than its stationary pitch and continue lower than its stationary pitch as it recedes from the observer.

In addition to this change the volume will increase as the siren becomes nearer and then decrease as the siren recedes.

Suggested Artists

See above

Signed on behalf of Leo Fitzmaurice by Unrealised Potential, (Chavez-Dawson, Ely & Harris).

Date

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www.unrealisedprojects.org



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