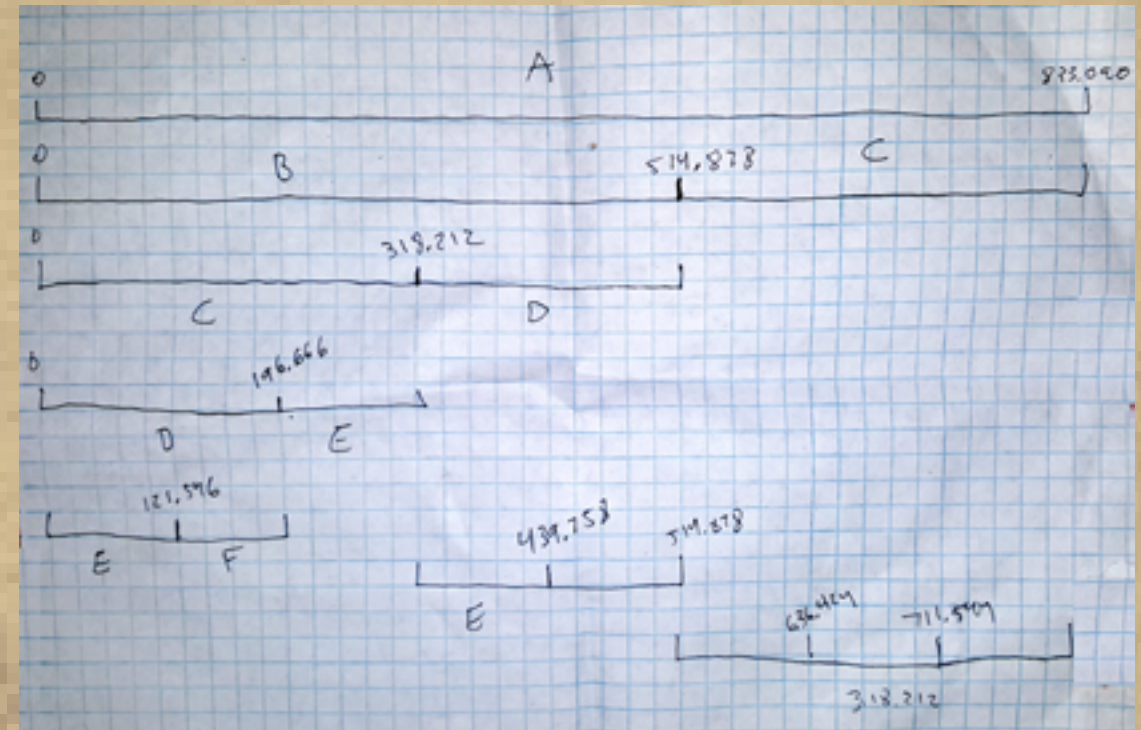


Lamppost on Sawyer

In previous Kaleidoscope music, I've used a scale based on the simple Golden Section of the 1200 cent octave, with the main 'Golden Division' at 742 cents, as $1200 / 1.618$ (the Golden Ratio) = 742. In my research I've found quite a bit of material that suggests (and I now agree) that a better way to find the Golden Section of an octave is to use this formula: $1200 \text{ cents} * \log_2(1.618)$ which yields a Golden Section of 833.09 cents.

Also, if we were to take the interval sounded by 1kHz and 1.618kHz, the cent equivalent would be just that: 833.09 cents. So I went ahead and created a set of notes based on a new range of 0 cents to 833.09 cents. I took that range and divided it successively into seven more sections, and ended up with this scale:

<u>golden section scale</u>	
0	cents
121.546	cents
196.666	cents
318.212	cents
439.758	cents
514.878	cents
636.424	cents
716.544	cents
833.090	cents



$$A/B = 1.618$$

Lamppost on Sawyer (continued)



Ever since I've been using this 8 note scale, I've come up with more 'orchestral' or even ethnic sounding music. I'm hoping that I'm just getting used to the notes. That seems to be the first kinds of things to pop out. My whole goal is to make pop songs with these notes. I think that this will begin to happen over time.

Still, I like this track a lot. It's misterioso. This piece of music is dedicated to my brother Brett, who lives on Sawyer Avenue.