

matter / moving

Catherine Lamb

for Andrew, Bryan, and Tucker

double bass

filtered, formant oscillators

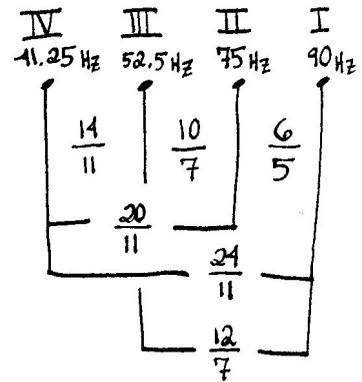
trombone

II<sup>4</sup> = partial  
II = string

$\overbrace{\text{II}_{, , , ,}^4, \text{III}_{, , ,}^6}$  a phrase/movement of tones

II<sub>, , ,</sub><sup>6</sup> commas indicate relatively consistent units of measurement  
units are slow and unforced, in the area between movement and stasis

$\overbrace{\text{§}_{, , ,}}$  = 4 units of silence



the bass player plays at an unforced, resonant volume  
 allowing for the natural sounding of the harmonics  
 to be what is fluctuating the amplitude

the person performing the oscillator part uses the attached code  
which corresponds with the bass string fundamentals including formant spectrums  
with slowly opening band pass filters on the indicated partials

the play back is through a single speaker set near to the bass player  
the amplitude is below that of the bass as a means to color  
the bass sound while never overtaking

during each phrase, the trombonist has the option to iterate a tone  
s/he hears sounding in the environment for one or a few long  
held breaths, perhaps relative in length to that of the phrase

the tones are at/above the amplitude of the environment  
and below the amplitude of the bass.

perhaps with a mute

b.  $\text{II}^4, \text{III}^6$   $\text{II}^4, \text{III}^6, \text{III}^5$   $\text{II}^4, \text{III}^6, \text{III}^5$

$\frac{1}{1}$   $\frac{21}{20}$   $\frac{1}{1}$   $\frac{21}{20}$   $\frac{3}{2}$   $\frac{21}{20}$   $\frac{42}{35}$

a.  $\text{II}^4$   $\text{II}^4$   $\text{III}^6$

b.  $\text{II}^4, \text{III}^6, \text{IV}^7, \text{III}^5, \text{II}^4$   $\text{II}^4, \text{III}^6, \text{IV}^7, \text{III}^5$

$\frac{21}{20}$   $\frac{12}{11}$   $\frac{12}{10}$   $\frac{42}{35}$   $\frac{21}{20}$   $\frac{22}{20}$   $\frac{88}{77}$   $\frac{3}{2}$

a.  $\text{III}^6$   $\text{IV}^7$   $\text{IV}^7$

b.  $\text{II}^4, \text{II}^6, \text{IV}^8, \text{IV}^7, \text{III}^5, \text{II}^4, \text{II}^3$   $\text{II}^4, \text{III}^6, \text{III}^5, \text{II}^3$

$\frac{21}{20}$   $\frac{12}{10}$   $\frac{21}{20}$   $\frac{8}{5}$   $\frac{3}{2}$   $\frac{21}{20}$   $\frac{42}{35}$   $\frac{42}{35}$   $\frac{12}{10}$   $\frac{30}{35}$

a.  $\text{II}^4$   $\text{II}^4$   $\text{III}^6$   $\text{III}^5$   $\text{II}^3$

