

THE UNIVERSITY OF CHICAGO

TESSERACT, ACT I. FOR AMPLIFIED SOPRANO SAXOPHONE QUARTET AND OCTOPHONIC SPEAKER ARRAY

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I would like to dedicate this dissertation to my grandmother Olidia Bussad; I love you and miss you.

**SCORE**

**Rodrigo Bussad**

**Tesseract, Act I.**

For amplified soprano saxophone quartet and octophonic speaker array

(2022)

Rodrigo Bussad

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# Tesseract, Act I.

For amplified soprano saxophone quartet and octophonic speaker array  
(2022)

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Score in C

## Foreword

TESSERACT, ACT I., my dissertation piece and research project at the University of Chicago, is a work for amplified soprano saxophone quartet and octophonic (8-channel) fixed media electronics. This work plays with spatial dimensions, imagination, and perception. The universe, as we know it, exists in three dimensions: height, length, and width. As tri-dimensional beings, we can only perceive dimensions equal to or below ours, like the two-dimensional x-y coordinate plane. But this limitation hasn't stopped humans from imagining dimensional universes with more than these three elements. The concept of the **fourth dimension**—a dimensional plane above ours and inaccessible from our tri-dimensional reality—for instance, was first published by French mathematician Jean le Rond d'Alembert in his book *Dimensions* (1754), and popularized by Carl Sagan on his television show *Cosmos: A Personal Voyage* (1980). During his explanation on the fourth dimension, Sagan summons the **Tesseract**<sup>1</sup>. The Tesseract is a four-dimensional structure that exists only in the realm of possibility, thus its true form remains only a hypothesis. My work, TESSERACT, ACT I. is an attempt to sonically portray the idea of a hypercube, to build an aural Tesseract. The sound in this structure is designed to actuate the listener's inner ear perception, or psychoacoustic space of listening within an internal, subjective reality. The sounds' height, length, and width are used in such a way that allows a fourth sonic dimension to dynamically emerge as psychoacoustic phenomena, thus inviting the listener to play along with what belongs in the acoustic realm and what emerges within one's inner aural space.

TESSERACT, ACT I. is an attempt to alter a concrete physical space into an imagined and real aural space, revealing a sonic reality that may emerge both physically and metaphysically. Within the invisible, inner auditory layer of psychoacoustics, space and silence have equal weight. This allows physical performance space to become internally active within the ear/mind of the listener. Most importantly, the listener's motions throughout the space make its dimensions malleable, so that the listener's "when and where" dictate the sonic experience. The concept of building such an auditory space is by no means novel. Spatialized audio and psychoacoustic games, and can be found in the musical traditions of Japanese gagaku and Indonesian gamelan, for example. In contemporary Western music works such as *Kontakte* (1958-60) by Karlheinz Stockhausen, *Atmosphères* (1961) by György Ligeti, and the grandiose *Prometeo* (1981-84) by Luigi Nono are canonic examples of how auditory effects can be explored with the combination of orchestras, electronics, and spatialized seating plans. Technologies used here in TESSERACT, ACT I., such as ambisonics and imaginary space creation are crucial in the fast-growing field of virtual reality (VR).

TESSERACT, ACT I. builds its space through invisible sonic lines projected by either acoustic instruments (four amplified saxophones) or by fixed-media electronics (projected via an array of eight speakers). These elements interact through a series of psychoacoustic phenomena, which provocatively destabilize the independent identity of any single element. Later movements of this work will explore additional spatial electronic music techniques further in-depth, using tools such as signal analysis and decomposition to more fully explore the theories of sound discussed below.

What happens inside of the TESSERACT, ACT I.. will be discovered by whomever ventures into it during this performance/installation. The listener will be invited to move around in the space while listening, thus becoming

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<sup>1</sup> The Tesseract in Physics is portrayed by a hypercube, which is a visual representation of two tri-dimensional cubes drawn in a bi-dimensional x-y coordinate plane.

a living part of the performance experience. The piece shortens the barrier between where the sound is produced and where it is perceived, thus enabling a mode of active listening, where the listener becomes an important element of the work. As such, this work expands several horizons simultaneously: what a saxophone quartet can do instrumentally; how fixed media electronics can be spatially deployed; and most importantly, how the listener's inner perception can become a crucial filter for the living work. This piece brings creative concepts and innovative theories from scientific, perceptual research into the aesthetic space of musical creation. Above all things, TESSERACT, ACT I., promotes an immersive, sensorial, and extremely playful experience to the interactive audience.

The following text delves into the theory behind the psychoacoustic and ambisonics concepts used to compose this work. A detailed roadmap of the form of the piece (TABLE 1) follows. Finally, this document closes with detailed performance notes where the technical set-up instructions of the work are provided with additional commentary. When the score is published, the crucial technical instructions will move here, after the foreword, and remain with the score.

### Auditory Scene Analysis (ASA)

This dissertation project is heavily based on Auditory Scene Analysis<sup>2</sup> (ASA), a term coined by psychologist Albert Bregman and published his well-regarded book in 1990. Auditory Scene Analysis is, very broadly speaking, the study of the perceptual organization of sound, organizing listening into two categories: Analytic and Synthetic. In the **analytic listening** mode one can identify (conscious, that is cognitive) the harmonic spectrum of a pitch. When a single pitch rings, other sympathetic pitches are activated to create the harmonic spectrum. These sympathetic pitches are all proportional to the fundamental frequency of the single pitch. For example: if one of the tones is 1046.50 Hz one's ears can analyze it as the thirty-second partial of 16.35 Hz (C<sub>0</sub>). By applying special techniques to the saxophone, or an oscillator to a pure sine tone, the same C<sub>6</sub> is now slightly flattened and could also be associated as a flat seventh partial (in this case the 18th partial) of a hypothetical 18.35 Hz (D<sub>0</sub>). What if the two C<sub>6</sub>'s are ringing at the same time? What if the result is a "false impression" of a lower frequency emerging from the 2 Hz difference between the two hypothetical fundamentals? What if I then modulate this new pitch by adding noise to its source?

With these questions I enter into the holistic characteristics of a tone (sub-conscious, perceptual), which, according to Bregman, is defined as **synthetic listening**. According Stanford University's CCRMA: Center for Computer Research in Music and Acoustics, on the article ASA 25<sup>3</sup>: "Analytic versus Synthetic Pitch. Description: Our auditory system has the ability to listen to complex sounds in different modes. When we listen analytically, we hear the different frequency components separately; when we listen synthetically or holistically, we focus on the whole sound and pay little attention to its components."

The sound experiment proposed by G.F.Smoorenburg (1970) in his work "Pitch perception of two-frequency stimuli," exemplifies the different experiences that listeners can have while "a two-tone complex of 800 and 1000 Hz is followed by one of 750 and 1000 Hz. If you listen analytically, you will hear one partial go down in pitch; if you listen synthetically you will hear the pitch of the missing fundamental go up in pitch (a major third, from 200 to 250 Hz)." J. Acoust. Soc. Am. 98, 924-942.

Before continuing, I ask the reader now to take a while and listen to the audio file below.

<sup>2</sup> Bregman, Albert S. 1996. Auditory scene analysis. MIT Press.

<sup>3</sup> Online source: <https://ccrma.stanford.edu/~malcolm/correlograms/index.html?48%20Analytic%20Vs%20Synthetic%20Pitch.html>

**Figure 1 – Analytic Vs. Synthetic Listening**



Following the concepts within ASA's analytic and synthetic processes in which auditory attention happens, Bregman divides attention into two modes: voluntary (cognitive) and involuntary (subconscious). I have translated these modes into the following table of musical material:

**Figure 2 – Voluntary Vs. Involuntary Attention**

<b>Voluntary Auditory Attention</b>	<b>Involuntary Auditory Attention</b>
Pitch	Critical Bandwidth
Tessiture	"Busy-ness" of sonic texture
Intensity (Physical)	Loudness (Perceptual)
Timbre Modulation	Auditory Masking
Attention vs. Time	Attention vs. Time
Filtering	Continuity Illusion

According to Bregman, our auditory attention is inversely related to time (meaning the more the time over the same stimulus, the less attention the brain will dedicate to the former), and can process a limited amount of inputs at the same time, thus meaning that the more a sound is iterated or sustained, the less attention our auditory perception will reserve for that stimulus.

For me, auditory attention fits both the voluntary and involuntary attention columns of TABLE 1, because its perception over time relates individually to each listener's experience during the performance of the work. Also, this simple concept can be used in interesting ways, such as juxtaposing several layers of sonic material over different scopes of lengths. This creates a structure of "auditory attention dynamics," in the same way that our ears are immediately drawn to louder volumes rather than softer ones. The second to last section of the work (R.L. U) is a good example of attention versus time and where I expect a part of the audience to activate the analytic while the other sum the synthetic auditory modes. The section is composed of an "exhausting" and descending flux of microtones in the saxophones being juxtaposed by a sequence of accentuated sound bursts in the electronics which will gradually modulate itself as to become a shadow of the microtonal cascade in the saxophones, becoming a mirage of the latter.

Informed by these basic concepts of ASA, TESSERACT, ACT I. renders a playful stimulation of both cognitive and perceptual. The goal is that by dislocating themselves or just turning their heads left and right, the listeners inside this sonic structure can freely play with the acoustic differences between two or more sonic phenomena happening at the same moment in the space surrounding as in the individual inner ear. As previously mentioned, TESSERACT, ACT I. plays in particular with several concepts of cognitive perception and psychoacoustics, which I will now define and explain. The sonic samples provided in this dissertation elaborate the continuity illusion, critical bandwidth, and auditory masking.

**Continuity illusion** is generated when there is the impression that a sound is continuously produced by the same sound source, even though it is being produced by a different source. A way to achieve this effect is by applying a transient (attack) and/or a white noise source to the primary source while shifting the “continued” sound to the secondary one, misleading the ear apparatus and thus providing a fake impression of limitless continuity. This idea has much to do with the physical direction of the primary source in the space it inhabits, which can also provoke interesting reactions in the listener's ears. In TESSERACT, ACT I., I conveyed this effect via the juxtaposition of artificial sine tones to the ones produced by the saxophones. The material in Rehearsal Letter A (R.L. A) is actually based on playing with the idea of continuity illusion, where the saxophones fade out, the sine tones continue, coming from a different point in space. The concepts behind the process of composition for this section were: frequency proximity, spectral similarity, and correlations of the changes in acoustic properties. Figure 3 provides a recording example from a previous version of the work (2017). The psychoacoustic phenomenon is surely improved perceived during a live performance of the work, since listening with headphones collapses and flattens the sonic space into two dimensions (LEFT/RIGHT).

**Figure 3 – Tesseract, Continuum (ver. 2017)**



The concept of **Critical Bandwidth (C.B.)**, coined by American physicist Harvey Fletcher in 1933, an alumnus of the University of Chicago, describes how the human ear and brain process tones. In broader terms, C.B. is the difference in frequency between two sine tones, which happens in the inner ear of the subject, stimulating the basilar membrane, in which the sensation of roughness disappears and the tones sound "smooth". This "sweet spot" within the basilar membrane is called the critical band. A byproduct of two tones existing within the critical band is **beating**. The phenomenon of "beating" is an acoustic one, meaning that happens while sound is travelling in the air. It can be explained by the conflicting partials of two sounds. The experience of beating, depending upon critical bandwidth and perception, needs a clearer definition of human body architecture and behavior.

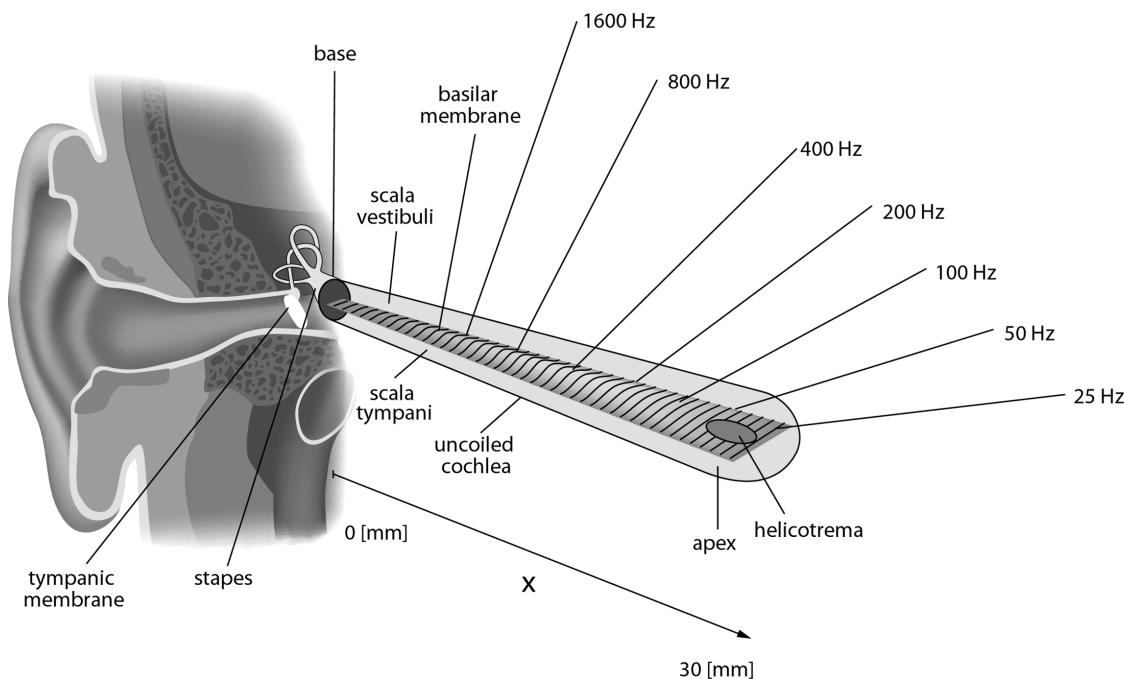
During the performance of TESSERACT, ACT I., although I set the stage for beating to happen by clashing close frequencies against each other, it will depend of the listener's ears position over the length of the work for it to be perceived or not. The psychoacoustic phenomenon of "roughness", "smoothness" or "beating" happens in the inner ear of the subject, stimulating the basilar membrane. With that in mind while composing I expect for the attentive listener to start to intuitively “scavenge” for beating by slightly tilting ones ears. This is one solid example of the type of active listening I propose with this work.

According to the book *Hearing: an Introduction to Psychological and Physiological Acoustics*<sup>4</sup> (1998) by Stanley A. Gelfand, the basilar membrane, which is located within the cochlea, is thinner and stiffer in its outside edge (closer to the sound source) and it processes higher frequencies. The inner region of the membrane, the "apex", is more elastic and is activated by lower frequencies.

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<sup>4</sup> Gelfand, Stanley A. 2017. *Hearing: an Introduction to Psychological and Physiological Acoustics*, Sixth Edition.

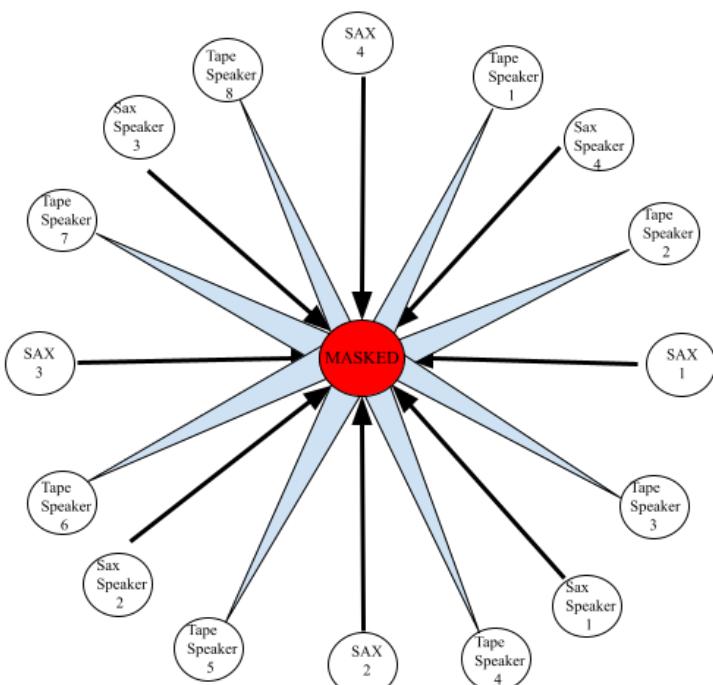
**Figure 4 – Basilar Membrane**



When the basilar membrane cannot resolve the difference between the two inputs. The ability of the ear to process and hear two distinct frequencies is known as frequency selectivity, thus the critical band happens exactly when the brain understands two frequencies as one, where the second tone will interfere with the perception of the first tone. **Auditory Masking** occurs right at the boundary of frequency selectivity and in the axis of time since the original signal needs to exist first to "be masked" by a second. This all happens in the auditory filters located within the inner ear. The masking signal (second frequency) should always be louder than the original signal (first frequency). Masking will occur more successfully between two signals of the same frequency. There are two types of masking that I use in the work: Masking of a tone-by-a-tone and Masking by-noise. Taking in consideration that masking of tone-by-tone is more complicated to achieve than by noise, masking of a tone-by-a-tone is more pronounced at higher frequencies, Masking increases proportionally with the masker level at high frequencies. In TESSERACT, ACT I., masking of a tone-by-a-tone happens frequently in section A when the first frequency of 1046.50 Hz will be masked by the second one, which is slightly flattened if the second one is higher in volume. Masking here happens because the sine tones are processed in the same region of the basilar membrane.

One place in the work where masking-by-noise is used is in mm. 299-308, approx. 34 seconds of duration. Tape speakers 1-8 gradually emit a continuous white noise signal (starting at m.332) that will completely mask saxophones 1-4 playing *forte* at a continuous tone of 1046.502 Hz (C6). Figure 5 represents visually what will happen in these measures of the piece.

**Figure 5 – Masking Effect Diagram 1**

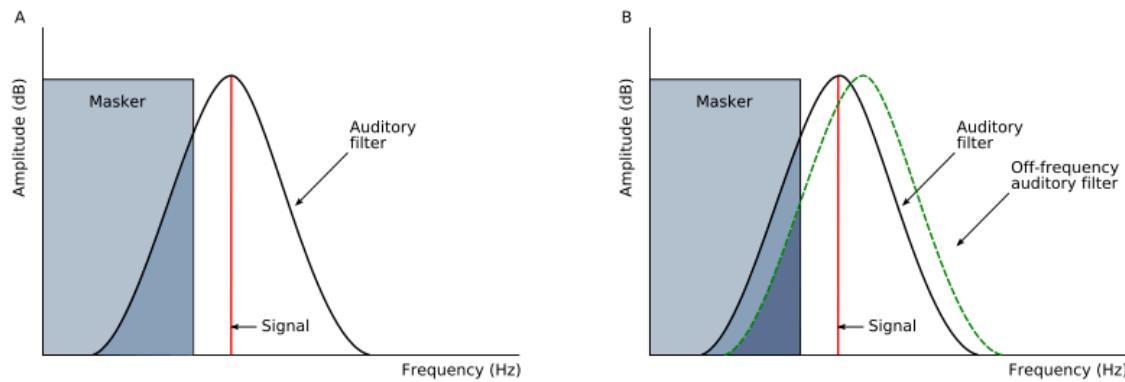


For more of the theory behind “masking-by-noise” I bring some of my notes taken from Prof. Dr. –Ing. Bernhard U. Seeber’s master class entitled “Psychoacoustics (s): Masking By Noise”<sup>5</sup>, taught at the Technical University of Munich (2020). Recalling here that masking operates in the hearing threshold within the cochlea, for that reason auditory filters are closely associated with masking.

The section of the work described above was based in the graphic shown in Figure 6: Equivalent Rectangular Bandwidth (ERB)

- C.B. of the filter increases in size with increasing frequency also the filter itself becomes more asymmetrical with increasing level.
- Lower Frequencies will mask higher frequencies more effectively than the contrary.
- Masking is also proportional to volume.

**Figure 6 – Masking Effect Diagram 2**



### Ambisonics<sup>6</sup>

When it comes to creating psychoacoustic effects in sound, spatial audio bears incredible potential. First, a brief history<sup>7</sup>, and definition of Ambisonics. The pioneering British engineer Michael Gerzon at Oxford University developed Ambisonics in the 1970's. As Daniel Arteaga covers on his article Introduction to Ambisonics (2018) “Although hardware Ambisonic systems were soon developed, they were never a commercial success. However, Ambisonics has many nice features and has attracted the interests of researchers in spatial audio since the early beginning. In the 90s, the theory for higher Order Ambisonics was developed. In the academic environment, Ambisonics is still nowadays a topic of research”.

Ambisonics framework is to capture, represent and manipulate spatial acoustics, based on physical principles of the acoustic field. The concept being a full-sphere of surround sound; where all speakers are equivalent in amplitude from the center of the sphere (Isotropic). Because ambisonics operates in B-format (speaker independency), it makes the spatial recording, as well as the editing/mixing processes the ultimate playback format for both spatial and non-spatial audio recordings.

#### **Ambisonics B-Format (Spherical Harmonics)**

- Spatial information is represented in B-format.
- In Ambisonics, editing/mixing is done in B-format (the complexity of B-format is hidden)

<sup>5</sup> My notes were taken on November 1<sup>st</sup>, 2020 while watching the lecture master class “Psychoacoustics (s): Masking By Noise” recorded on January 27<sup>th</sup>, 2020. Available on youtube: <https://www.youtube.com/watch?v=R9UZnMsm9o8&t>

<sup>6</sup> My notes were taken on September 27<sup>th</sup>, 2021 while watching the webinar “Ambisonics Elements” recorded on June 10<sup>th</sup>, 2020 and lectured by Leonard Moskowitz: <https://www.youtube.com/watch?v=TT726EBb1B0>

<sup>7</sup> Arteaga, Daniel. (2015). Introduction to Ambisonics. Preliminary version of some lecture notes on Ambisonics. 4.

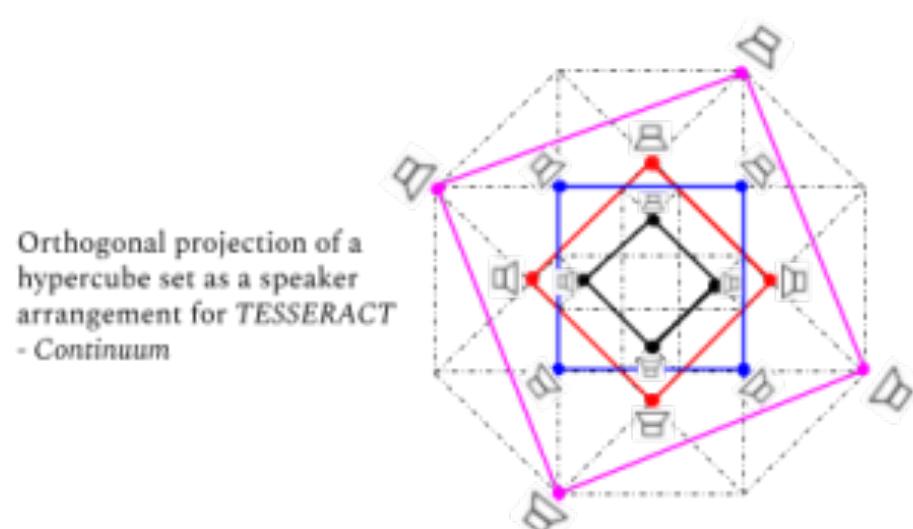
- The tridimensional speaker arrangements in Ambisonics work in quantitatively and is expressed by the term “order”, whereas the higher the “order”, the better will be the spatial resolution. The number of “orders” goes up to seven (64 channels).
- First-order B-Format has 4 channels of loudspeakers
- Second-order B-Format has 9 channels of loudspeakers (8+1)
- Third-order B-Format has 16 channels of loudspeakers

Because Ambisonics works with sound direction, the complexity of B-format grants the engineer sonic precision (in space) from the speakers. As Arteaga follows in his collaboration in the article: Subjective Evaluation of the Localization Performance of the Spherical Wavelet Format Compared to Ambisonics<sup>8</sup> (2021), “A common goal of most spatial audio techniques is to reproduce the precise location and size of sound sources. Ambisonics is a well-established spatial audio technique that renders sound sources with increasing accuracy as the Ambisonics’ order increases.”

TESSERACT, ACT I. works in a third-order B-format of Ambisonics, which is considered the minimum for an immersive speaker array playback. The spatialization of the sound is perhaps the most important element in TESSERACT, ACT I., which I imagine being realized in two ways: a live performance with the quartet being part of the spatialization component (orthogonal projection diagram) and also as a sound installation where the pre-recorded saxophone tracks would be played through an extra set of speakers. In both ways the quartet is perceived as a set of four equidistant sound sources in space (a sonic square), and together with three more sets of squares formed by additional speakers, I can achieve a set of four quadraphonic systems, not equidistant with one another, being only equidistant among its related pairs, thus portraying in the clearest way possible, a sonic image of a hypercube.

Through an orthogonal projection seen from above, a **quadraphonic system diagram** is generated. The hypothetical hypercube, which exists in a plane superior to ours (represented by P), generates a series of vertices in which the sum of them becomes a bi-dimensional projection of its source (P'), where P' consists of all the vertices I chose (represented by dots.) These vertices are, in practical terms, where the sound sources will be placed in space (speakers and/or saxophones). The image below in Figure 7 represents how I picture such an arrangement:

**Figure 7 – Orthogonal Projection of a Hypercube**




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<sup>8</sup> Eguinoa, Ruben, Ricardo San Martin, Daniel Arteaga, and Davide Scaini. 2021. "Subjective Evaluation of the Localization Performance of the Spherical Wavelet Format Compared to Ambisonics". 1-8.

In the diagram, the **black square** is where the saxophone quartet musicians would stand, while the **blue square** is where the speakers that are amplifying the saxophones are placed. These speakers would ideally be set in an array above and below the ground level and pointed at a 45° angle towards the ground floor, promoting a further and more complex spatialization where auditory masking happens more effectively. The same principle is applied to the electronics track. The **red square** is the set of speakers that will play the electronic track, while the **pink square** is where the subwoofers will be placed. The subwoofers will be suspended from the ground level (to avoid the "coupling effect"-- an unwanted increase in volume) and set below the surface level (within the hollow created by the suspended floor). Since low frequencies travel through the air in a spherical shape, there is no need to point the subwoofers toward a specific point in space. In the case of a sound installation, the saxophones would be replaced by a set of smaller (up to 5") speakers. Since multiple "sonic hot-spots" can be found within the hypercube, the audience should experience this sitting still in one place for a certain amount of time and then venturing to other points within the complex set of speakers.

Although I am also working on more feasible solutions to an actual performance of the piece, the ideal place for this setup of speakers would be one that provides a suspended floor, where some of the subwoofers and speakers could sit beneath. With this, a real three-dimensional arrangement of sonic sources could be achieved. Such spaces do exist in North America. I have visited one of these spaces, the semi-anechoic chamber [listening room](#) at CCRMA Stanford (Stanford University). In Chicago, a permanent ambisonic playback system can be found at [Treshold Auralization Studio](#), and another examples of possible spaces include [The Cube](#), located at the Virginia Tech Institute For Creativity, Arts, and Technology. Currently, in my research on sound spatialization, I am studying more in-depth the dissertation on **Vector Base Amplitude Panning (VBAP)**, by Finnish audio researcher Ville T. Pulkki, professor of Aalto University (2015-.) According to his website VBAP "is a method for positioning virtual sources to arbitrary directions using a setup of multiple loudspeakers. In VBAP the number of loudspeakers can be arbitrary, and they can be positioned in an arbitrary 2-D or 3-D setup. VBAP produces virtual sources that are as sharp as is possible with current loudspeaker configuration and amplitude panning methods, since it uses at one time the minimum number of loudspeakers needed, one, two, or three."

Working together with the potentialities of spatial audio, I have striven to create psychoacoustic phenomena within the Ambisonics realm, which deals with the precise location of sound, (like continuity illusion and beating) that are also spatialized. These are understood as auditory illusions, which is when the listener is influenced to incorrectly localize a sound. One example of this is the Hass Effect.

### Precedence Effect or Hass Effect

The name of this binaural auditory illusion derives from a paper<sup>9</sup> written by Helmut Hass (1951). It occurs by a delay in one of the sound sources (a high transient sound). As professor [Leonard Moskowitz](#) describes in his master class, This delay will happen below the listener's threshold of processing. (Delays below 2 milliseconds – 100 milliseconds.) The listener will pursue the source of the sound coming from the first signal (S) but one or more consecutive sounds can be added to other speakers below the threshold earlier cited. Naturally the "Hass effect" will work with high transient sounds (in the case of saxophones, a slap tongue for example.) At 2ms the sounds are perceived as one source. Anything closer to 100ms or above and the listener will start spotting the echoing of the

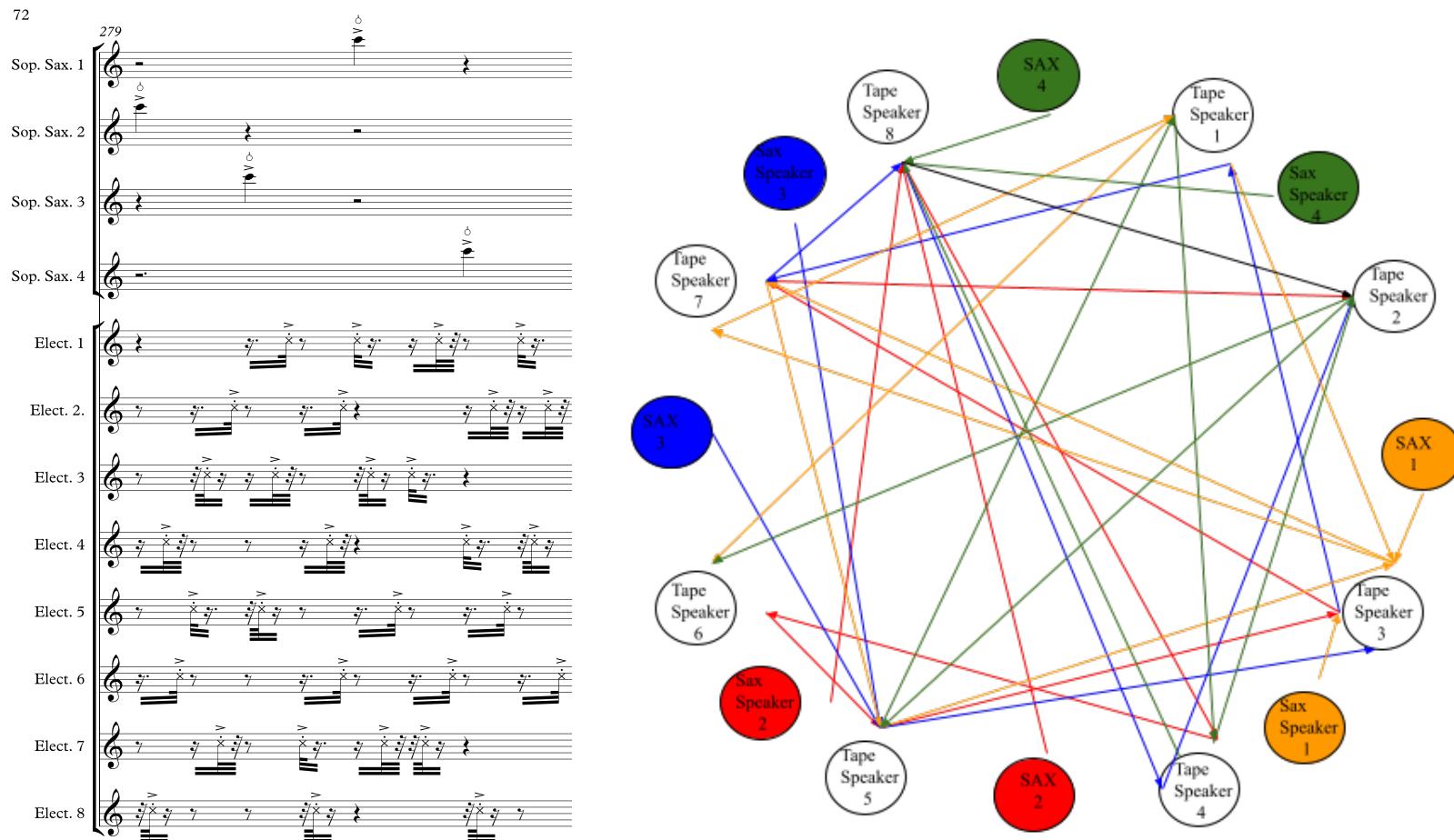
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<sup>9</sup> Haas, H. (1951). "Über den Einfluss eines Einfachechos auf die Hörsamkeit von Sprache," Acustica, 1, 49–58.

source's location elsewhere. At 50 milliseconds impulse signals: for signals with constant amplitude this can go up to the 1 sec.-2sec. range.

In TESSERACT, ACT I. works to recreate the psychoacoustic phenomena described above the compositional process of the work was based on the idea of creating sonic vectors that over the axis of time will cover the virtual space projected by the speakers. This occurs in Figure 8 (m. 279, approx.4 seconds of duration) the graphic demonstrates the sonic vectors (in colors) operating over time in order to achieve the Haas Effect between saxophone 1 to 4 and speakers 1 to 8.

**Figure 8 – Haas Effect Diagram**



### Franssen Effect

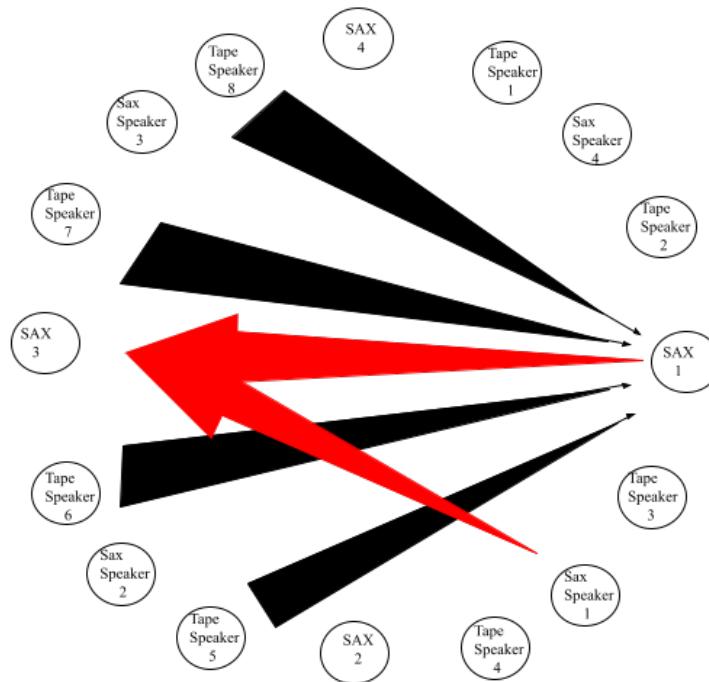
Finally, another illusion that I create in TESSERACT, ACT I. is the Franssen Effect. Written by N.V. Franssen, the book *Stereophony*<sup>10</sup> (1964) proposes a psychoacoustic experiment named by the author as the Franssen Effect Illusion, or just Franssen Effect. As in the Haas effect, the Franssen effect is an auditory illusion where the listener located in the space between two or more equidistant sound sources will incorrectly locate the source of a sound. It is divided into two effects possible: Franssen Effect 1 (F.E.1): As a sustained tone in the left speaker (L) decreases (volume) exponentially over time, a same sustained tone, which always will come slightly later than the original source, in right speaker (R) increases in volume until it becomes the main source of sound. The illusion occurs when the listener will still perceive the sound source coming from the left (L) speaker. Franssen Effect 2 (F.E.2): Consists basically of the same process with the only difference is that in Franssen 2 (F.E.2) the auditory illusion will start with one of the speakers generating a steep slope (high transient) attack while right after remaining constant, where the process described in Franssen 1 (F.E.1): starts.

<sup>10</sup> Franssen, N. V. 1964. *Stereophony*. Eindhoven: Philips' Gloeilampenfabrieken, Distributors Cleaver-Hume Press, London].

In the book *Hearing: An Introduction to Psychological and Physiological Acoustics* (1998), Gelfand points out that this Illusion fails to succeed when in a space with close-to-none reflections. Interestingly, Hartmann and Rakerd (1989) showed that the Franssen effect fails to occur when the environment is anechoic (echo free), and explained the illusion based on the plausibility hypothesis" (p.246). This piece of information has alerted me during the crafting of the piece since it is very unlikely that this effect will work in rooms that are extremely "dead".

In Figure 9 (R.L. I, mm. 151 - 155) the graphic demonstrates the sonic vectors (in colors) operating over time in order to achieve the Franssen Effect 1 between saxophone 1 and speakers 5 to 8. Here the multiphonic composed of four pitches will gradually pass from the speakers to the saxophone. The thickness of the arrows (black and red) represents the dynamic level over the time axis (approx. 15 seconds.)

**Figure 9 – Franssen Effect Diagram**



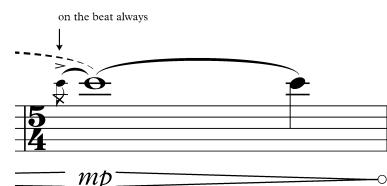
I'll conclude the discussion with performance notes; as you can see, some of these will eventually become part of the published score's preface, to aid in technical set up and performer instruction. Here, my treatment of technological affordances gestures toward the way the piece's sounds were collaboratively shaped with technologies.

## Performance Notes:

### Saxophones

The score is in concert pitch C.

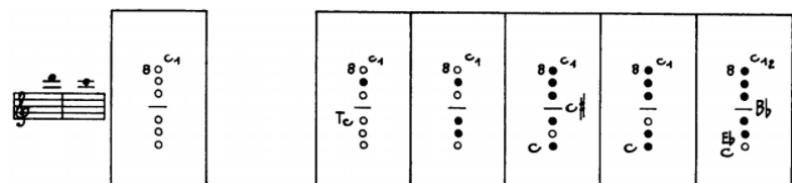
All grace notes are to be performed on the beat. A downward arrow will indicate its entrance.



### Accidentals

Unless specified the contrary in the score, for every section of the work where there are two or more players performing a same sustained pitch, as a rule, each ensemble member needs to choose different fingering solutions

for this pitch. The book “The Techniques of Saxophone Playing” (Weiss, Marcus / Netti, Giorgio. 2010), the work *necessità d’interrogare il cielo* (Netti, Giorgio. 1996/1999), and collaborative research with Chicago based artist Jordan Lulloff (~Nois Saxophone Quartet) were used as principal references in the saxophone writing in the piece. The saxophone fingering diagrams for all multiphonics present in the work are provided in the individual parts with a reference number when available.



In TESSERACT, ACT I. saxophones operate up to 1/8<sup>th</sup> of a tone. The following list provides the inflections (in cents) expected for each microtonal accidental<sup>11</sup>:

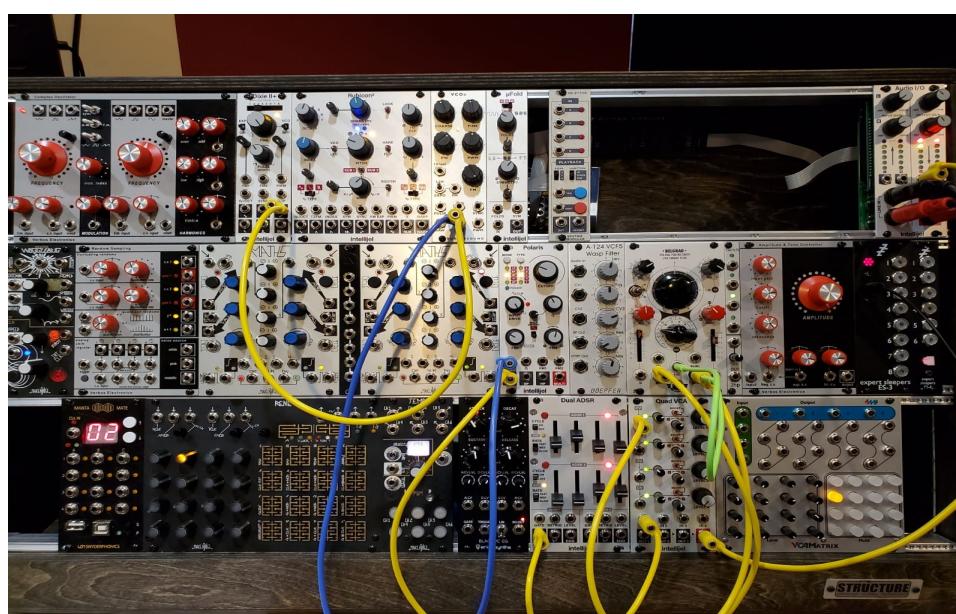
- ↑↓ sharpened/lowered by an eight-note (+-25 cents)
- ♯↓ sharpened/lowered by an quarter-note (+- 50 cents)
- ♯♭ sharpened/lowered by an half-step (+- 100 cents)

## Electronics

### Synthesizer

The electronics for the recorded sample were created on the modular analog synthesizer and well using the VCV Rack 2 application (which is based on the euro-rack analog synthesizer), where I produced sine tones of the exact frequency as the tones provided by the sound samples I collected from the saxophone quartet previously. For the piece, I used alternate fingerings for all of the tones, which have a very particular microtonal nature to them. These alternate fingerings, together with the micro inflections they may or not produce, are all provided in the score:

After producing all of the sine tones (C<sub>3</sub> to C<sub>6</sub>) on the synthesizer, I apply a series of filters; oscillators and envelope-shapers to create patches and alter these newly collected sounds, aiming to produce all the above-discussed sonic phenomena. The photo below shows one of the patches I built during the process at the analog synthesizer in CHIME Studio:



<sup>11</sup> Eight-note inflections can be added to both quarter-note and half-step accidentals.

I have also produced a catalog of qualities for each of the tones from the saxophone, using ASA's synthetic listening concept, looking for the holistic properties of these tones. These are some of my notes taken during the process:

*The blue, orange, and red highlights catalog the tones from most to least stable, respectively.*

## C6

C6 -1: S.U. (fast microtonal beating), overtone prowess

C6- 2: S.U., similar to C6-1 but somewhat darker in timbre

C6-3: U.U., overtone prowess

C6-4: S.U, beautiful extremely fast and controlled beating, less overtone prowess

C6-5: E.U., with a 4th (F) that rings above and a **beautiful** subtone.

C6- 6: U.U, with a fast beating that comes and goes.

C6-7: S.U., with an extreme fast beating

C6-8: U.U., nice color

C6-9: U.U., with a strange mid tone

### Volume Measurement

Musical scores are typically marked with dynamic markings to suggest the relative loudness for various parts of the score. While there is no precise standard for the meaning of these dynamic levels, the following table contains a general framework of suggested measured values associated with dynamic markings. It is taken from Backus. Note that the table contains comparisons of decibel levels for the same perceived loudness at relatively high and low pitches. By examining those levels you can see that the relative intensity levels in decibels of low-pitched sounds must be increased for soft dynamic levels. That is, you have to boost the bass more for soft sounds. This is a result of the ear's progressive discrimination against bass for soft sounds. The dynamic levels are also listed in the units' phons and sones, which are units designed to measure the perceived loudness by the normal human ear. The dynamic levels for the speakers in the score are notated as in for an acoustic instrument, from *piano* to *forte* and its varieties in between and beyond. Although the dynamic levels of the tape file were designed for the distance of  $r = 4$  meters from the center of the speaker array it is recommended that a new level automation is made for every room a new performance of TESSERACT, ACT I. takes place.

The table <sup>12</sup> headed "Multiple of Threshold" gives the multiple of the standard threshold of hearing for a 1000Hz<sup>13</sup> tone. This table should be used as a parameter for the volume measurement of a performance of the work.

Multiple of Treshold (Dynamic levels measured in decibels)

Dynamic Level	Decibels at C <sub>6</sub> (1024 Hz)	Multiple of Threshold	Decibels at A <sub>1</sub> (55 Hz)	Phons	Sones
Threshold of pain	120	10 <sup>12</sup>	130 10 x I <sub>c</sub> *	120	256
fff	100	10 <sup>10</sup>	113	100	64

<sup>12</sup> This text and table were taken from <http://hyperphysics.phy-astr.gsu.edu/>

<sup>13</sup> Multiple of the required level IC at C<sub>6</sub>(1024 Hz). TESSERACT, ACT I. work with C<sub>6</sub> at 1046.502Hz.

			$20 \times I_c$		
f	80	$10^8$	93 $20 \times I_c^*$	80	16
p	60	$10^6$	79 $80 \times I_c^*$	60	4
ppp	40	$10^4$	63 $200 \times I_c^*$	40	1
Threshold of hearing	0	1	40 $10,000 \times I_c^*$	0	...

The download link for the tape file as well the click track (.rpp) of the work can be found at:

<https://www.rodrigobussad.com/music>

#### Stage Diagram, Speaker Array, Gear Inventory and Installation Diagram

DAW: Reaper (latest version is recommended). Free download at: <https://www.reaper.fm/download.php>

Interface: An audio interface or mixing board (with a USB connection) with 4 – input and 16 – output channels is required.

Microphones: four condensed microphones are necessary. The nature of the microphone can vary from a small capsule to a lava microphone to be attached at the bell of the instrument.

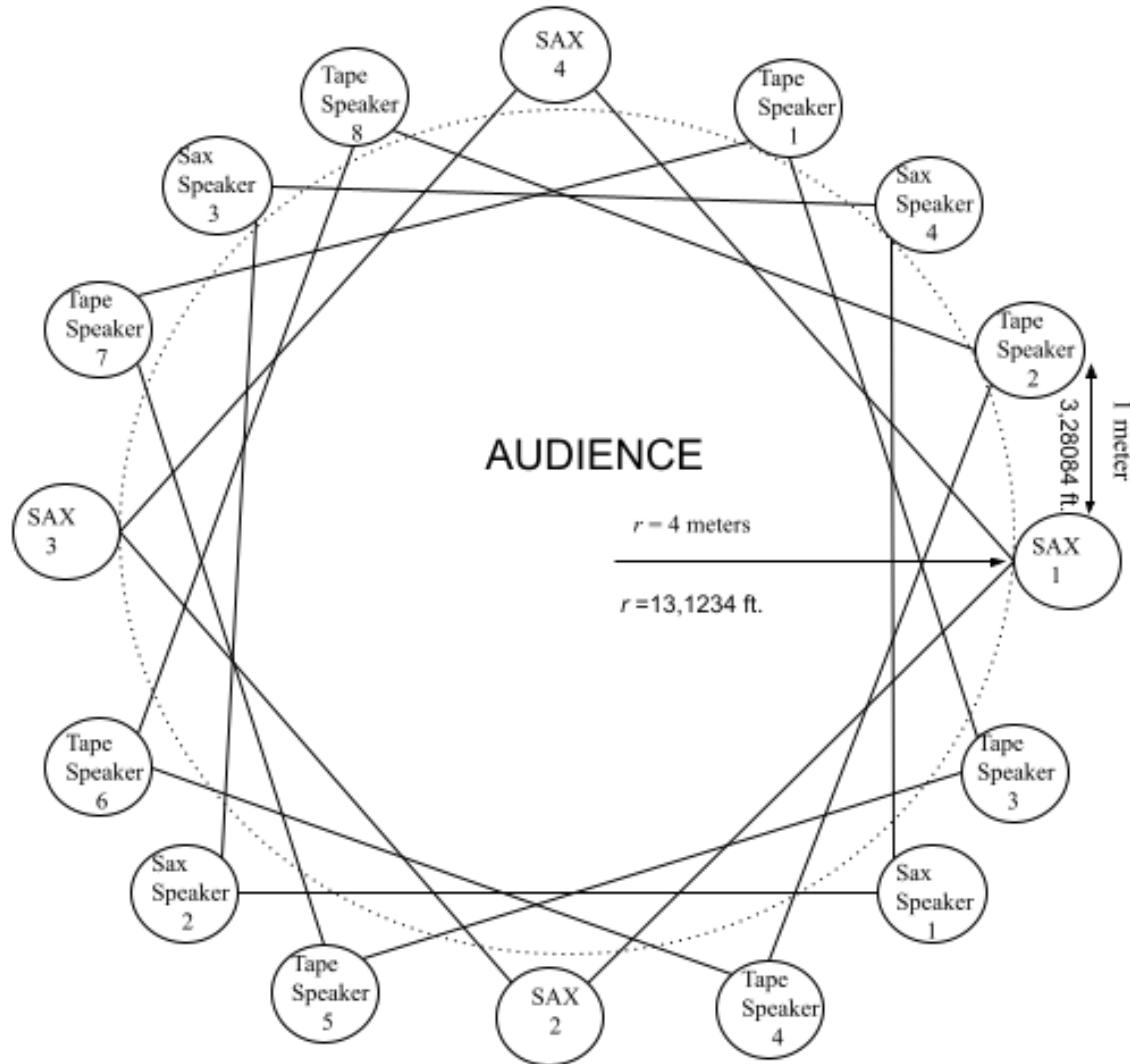
Speakers: This piece requires a number of 12 amplified loudspeakers (audio monitors) that must be equal in model and size. It is recommended for the speaker's size to be of 5 inches (fq. range of 50 Hz to 20 kHz). 8 inches (or more) speakers will also work, but nothing less than 5 inches is recommended. The speakers, together with the saxophones line up must be equally distant from one another, as well in an equal height as showed in diagram 1.1. The measurement chart is provided in the Speaker Array Diagram. Thinking of the availability of the performance for this work, the following Speaker array setup is also provided. In this diagram the orthogonal projection designed for *TESSERACT, ACT I., ACT I.* is provided.

## Speaker Array Diagram

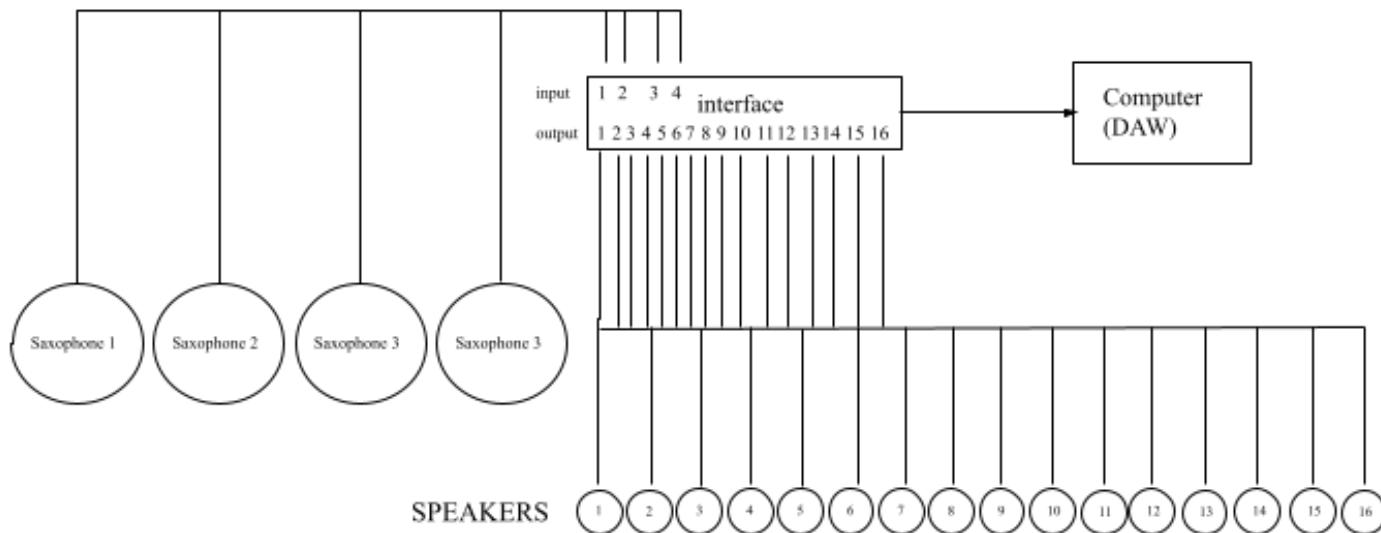
Total diameter: 26,2467 ft. / 8 m

Speaker/Saxophone distance: 3,28084ft. / 1 m

Speaker/Saxophone height: 5,24934ft. /160 cm



## Signal Path and Installation setup diagram



## TESSERACT, Act I.'s SECTION MAP

	Intro	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
Length	04'00"	02'27"	01'15"	01'58"	02'39"	01'38"	01'15"	01'51"	02'51"	04'08"	01'00"	05'03"	01'15"	00'57"	01'15"	01'06"	01'15"	01'37"	01'33"	01'15"	04'04"	04'57"	00'34"	01'15"
Material	Electronics	S. Quartet/ Electronics	Electronics	S. Quartet/ Electronics	S. Quartet/ Electronics	S. Quartet/ Electronics	Electronics	S. Quartet/ Electronics	S. Quartet/ Electronics	S. Quartet/ Electronics	S. Quartet/ Electronics	Electronics	S. Quartet/ Electronics	Electronics	S. Quartet/ Electronics	Electronics	S. Quartet/ Electronics	S. Quartet/ Electronics	Electronics	S. Quartet/ Electronics	S. Quartet/ Electronics	Electronics	Electronics	
Psychoacoustic	S																							
Continuity Illusion																								
Beating																								
Auditory Masking																								
Envelope Transformation																								
Haas Effect																								
Franssen Effect 1&2																								

G: Sleek/Ridged Time/Space (temps doux et strié, term coined by Boulez's in Musique Aujourd'hui. Paris. Gallimard, 1963.)

M: Amplitude Equanimity between saxophones and electronics.

T: Shepard Tone also happening in both saxophones and electronics.

W: Octophonic Spatialization in the electronics, which will be the compositional material of TESERACT ACT 2, which will be purely composed by the electronics part.

# TESSERACT

## Act I

for amplified soprano saxophone quartet and octophonic speaker array

## Electronics Intro

Rodrigo Bussad (b.1985)

04'00"

## Soprano Saxophone 1



A musical staff with a treble clef and a key signature of one sharp (F#). To the right of the staff is a time signature of 6 over 4.

**A** = 60 (the second)  
Entrance at 04'01"

**A** Entrance at 04'01"

1                    3                    5                    6                    4                    2

Sop. Sax. 1      *p*                    *p*

Sop. Sax. 2      *p*                    *p*

Sop. Sax. 3      *on the beat always*  
3                    5                    6                    4                    2

Sop. Sax. 4      *on the beat always*  
3                    5                    6                    4                    2

Elect. 1            *p*

Elect. 2            *mp*

Elect. 3            *mp*  
3                    5                    6                    4                    2

Elect. 4            *mp*  
3                    5                    6                    4                    2

Elect. 5            *mp*

Elect. 6            *p*

Elect. 7            *p*

Elect. 8            *p*

Sop. Sax. 1

(+25) -25 0)

on the beat always

Sop. Sax. 2

*sub. p = molto =*

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

*p* ><*p* <*p*

Elect. 2

*mp* *f*

Elect. 3

*mp*

Elect. 4

*p* ><*p* *f* *f*

Elect. 5

*p* *f* *f*

Elect. 6

>*o* *p* >*o* <*mp*

Elect. 7

>*o* *p* >*o* <*mp* *f*

Elect. 8

*p* >*o* *p* <*p*

20

12 add undertone

Sop. Sax. 1 *p gentile* (p)

Sop. Sax. 2 [71]

Sop. Sax. 3 add undertone *p gentile*

Sop. Sax. 4 [71] *p*

Elect. 1 *mf* >○ *mf* >○ *sub. mf* >○ *sub. mp* >○ *p*

Elect. 2 >○ *mp* >○ *p*

Elect. 3 <*f* >○ *mp* >○ *mp* >○ *p*

Elect. 4 <○ *mf* >○ <○ *mf* >○ >○ *sub. p* >○ *mp* >○ *mp* >○ *p*

Elect. 5 - <○ *mf* >○ <○ *mf* >○ >○ *sub. mf* >○ *mp* >○ *mp* >○ *p*

Elect. 6 <○ *p* ><*f* >○ <○ *mp* >○ <○ *mp* >○ <○ *mp* >○ <○ *p* >○

Elect. 7 >○ <○ *mf* >○ <○ *mp* >○ >○ *p*

Elect. 8 - <○ *mf* >○ <○ *sub. mf* >○ <○ *sub. mp* >○ <○ *p* >○

on the beat always

21

This page contains eight staves of musical notation, numbered 18 through 25 from left to right. The staves are arranged in two columns of four. The top column includes staves for Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, and Sop. Sax. 4. The bottom column includes staves for Elect. 1, Elect. 2, Elect. 3, Elect. 4, Elect. 5, Elect. 6, Elect. 7, and Elect. 8. Each staff begins with a treble clef and a key signature of  $\frac{5}{4}$ . Measure 18 starts with a sustained note on each staff. Measures 19 and 20 show various rhythmic patterns, including eighth and sixteenth notes, with some measure marks and dynamics like *p* and *ppp*. Measure 21 concludes the page with sustained notes.

21

Sop. Sax. 1  $\frac{2}{4}$   $\frac{3}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$

Sop. Sax. 2  $\frac{2}{4}$   $\frac{3}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$

Sop. Sax. 3  $\frac{2}{4}$   $\frac{3}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$

Sop. Sax. 4  $\frac{2}{4}$   $\frac{3}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$

Elect. 1  $\frac{2}{4}$   $\frac{3}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$

Elect. 2.  $\frac{2}{4}$   $\frac{3}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$

Elect. 3  $\frac{2}{4}$   $\frac{3}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$

Elect. 4  $\frac{2}{4}$   $\frac{3}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$

Elect. 5  $\frac{2}{4}$   $\frac{3}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$

Elect. 6  $\frac{2}{4}$   $\frac{3}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$

Elect. 7  $\frac{2}{4}$   $\frac{3}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$

Elect. 8  $\frac{2}{4}$   $\frac{3}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$   $\frac{4}{4}$

26 Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

The musical score consists of eight staves, each representing a different instrument. The instruments are: Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4, Elect. 1, Elect. 2., Elect. 3, Elect. 4, Elect. 5, Elect. 6, Elect. 7, and Elect. 8. The score is divided into measures by vertical bar lines. Measure 26 starts with Sop. Sax. 1, followed by Sop. Sax. 2, Sop. Sax. 3, and Sop. Sax. 4. Measure 71 begins with Elect. 1. The score includes various dynamics such as *f*, *p*, and *mp*. Performance instructions like *<>* and *o--o* are also present. Measure numbers 26 and 71 are clearly marked at the start of their respective sections.

30

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8



35

The musical score consists of two groups of staves. The top group, labeled 'Sop. Sax.', contains four staves (1, 2, 3, 4) in common time. The bottom group, labeled 'Elect.', contains eight staves (1 through 8) in common time. Each staff begins with a clef (G for soprano, F for electric), a key signature (one sharp for soprano, one flat for electric), and a tempo marking (eighth note = 120). Measures 35-36 show sustained notes with grace notes and slurs. Measure 37 begins with a dynamic 'f' (fortissimo). Measures 38-39 show sustained notes with grace notes and slurs.

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8



**B** Electronics  
Interlude I

**C**

40

Sop. Sax. 1

Sop. Sax. 2 *f*

Sop. Sax. 3 *f* (same as sax. 4)

Sop. Sax. 4 *f* (same as sax. 2)

Elect. 1

Elect. 2

Elect. 3 (w/ reverb) (reverb: 8 seconds) *f*

noise pulse  
Elect. 4 *f* (same as sax. 2)

noise pulse  
Elect. 5 *f* (same as sax. 2) (w/ reverb) (reverb: 8 seconds) *f*

noise pulse  
Elect. 6 *f* (same as sax. 3)

noise pulse  
Elect. 7 *f* (same as sax. 3)

Elect. 8

47

Sop. Sax. 1

*f (same as sax. 3)*

Sop. Sax. 2

*f*

Sop. Sax. 3

Sop. Sax. 4

*f (same as sax. 1)*

Elect. 1

*f (same as sax. 4)*

noise  
pulse

(w/ reverb)

Elect. 2

Elect. 3

Elect. 4

Elect. 5

*f*

(w/ reverb)

(reverb: 8 seconds)

Elect. 6

Elect. 7

*f*

(w/ reverb)

(reverb: 8 seconds)

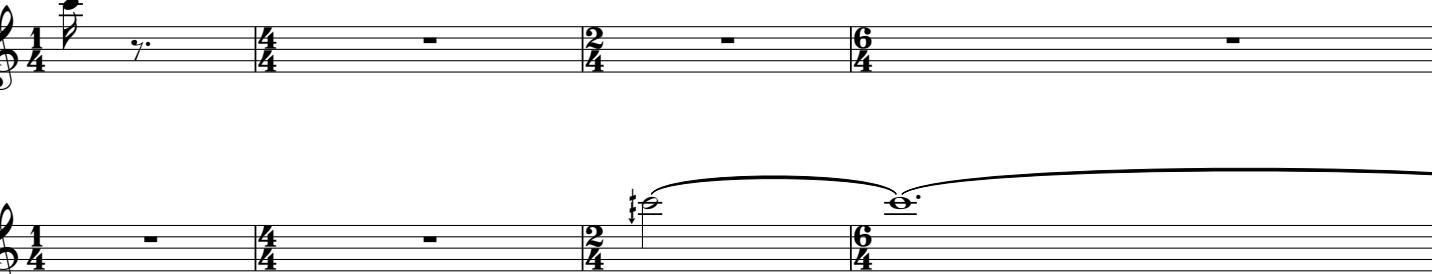
Elect. 8

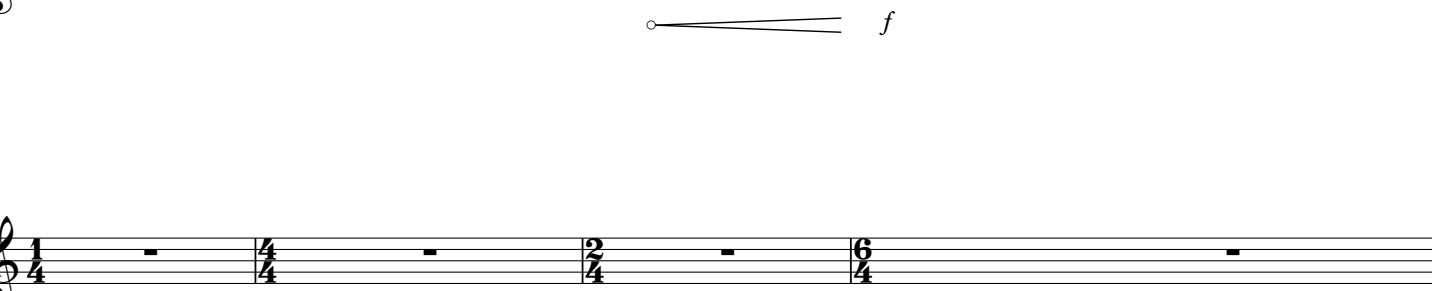
*f (same as sax. 4)*

noise  
pulse

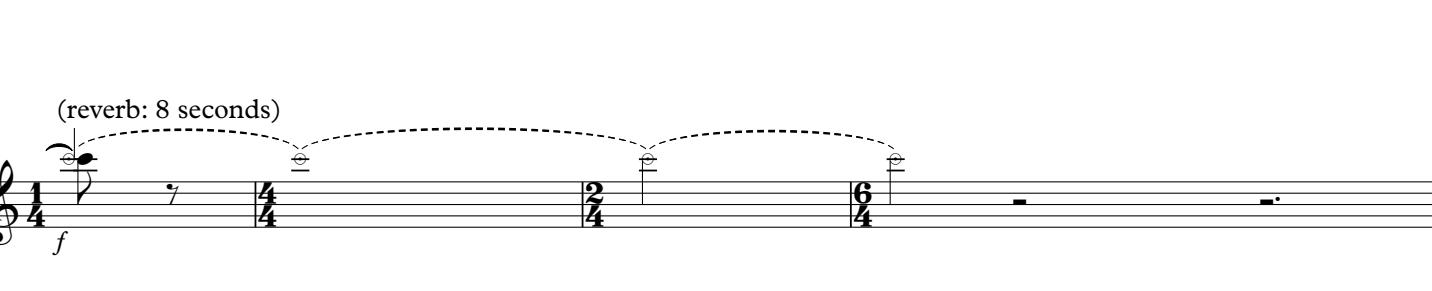
(w/ reverb)

55

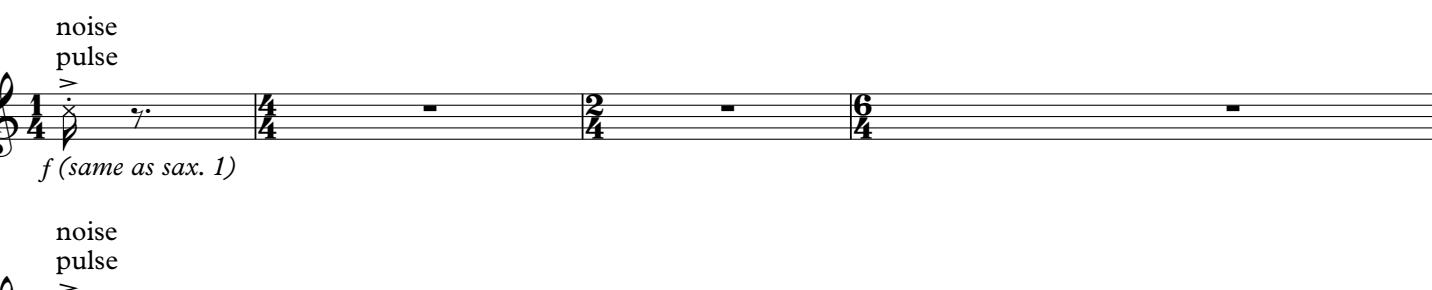
Sop. Sax. 1 

Sop. Sax. 2 

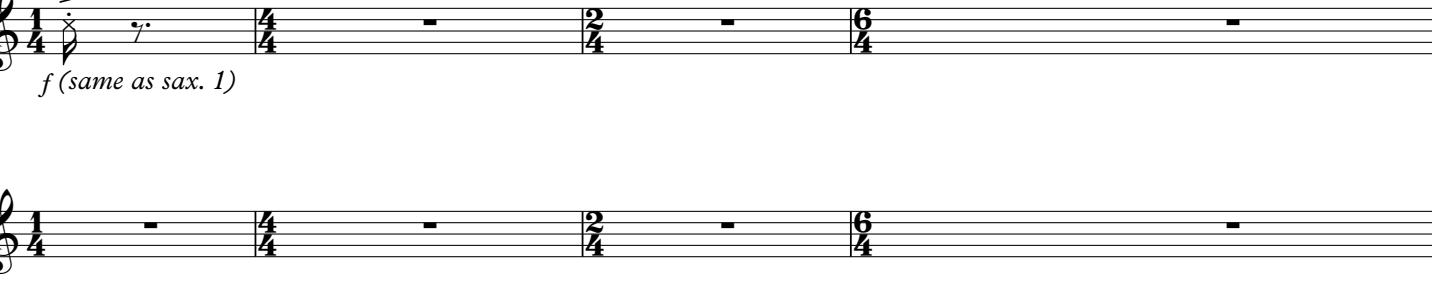
Sop. Sax. 3 

Sop. Sax. 4 

(reverb: 8 seconds)

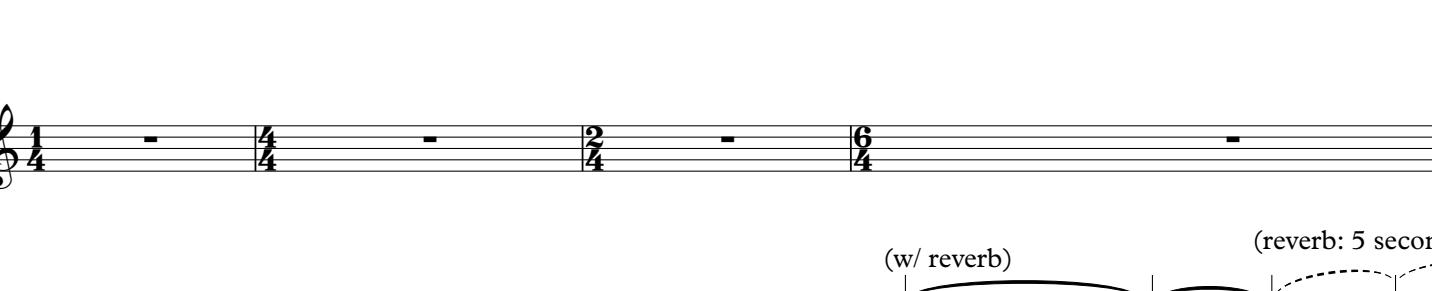
Elect. 1 

noise  
pulse

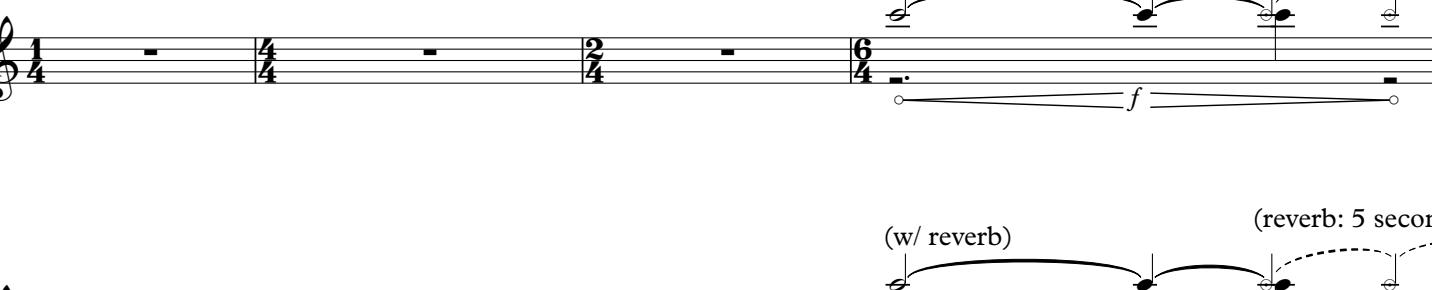
Elect. 2 

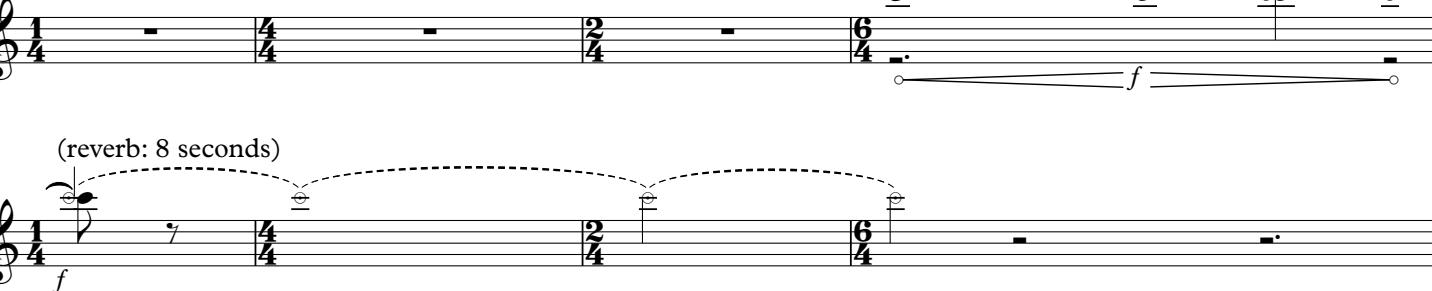
*f (same as sax. 1)*

noise  
pulse

Elect. 3 

*f (same as sax. 1)*

Elect. 4 

Elect. 5 

(w/ reverb) (reverb: 5 seconds)

Elect. 6 

*f*

(w/ reverb) (reverb: 5 seconds)

Elect. 7 

*f*

(reverb: 8 seconds)

Elect. 8 

*f*

30

59

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

noise  
pulse

*f (same as sax. 4)*

Elect. 5

noise  
pulse

*f (same as sax. 4)*

Elect. 6

noise  
pulse

*f (same as sax. 3)*

Elect. 7

noise  
pulse

*f (same as sax. 3)*

Elect. 8

(w/ reverb)

(reverb: 3 seconds)

D

63

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

32 66

Sop. Sax. 1

Sop. Sax. 2 *p*

Sop. Sax. 3 *p*

Sop. Sax. 4 *p*

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score page contains ten staves of music. The top four staves are for soprano saxophones (Sop. Sax. 1, 2, 3, 4), and the bottom six are for electric instruments (Elect. 1 through Elect. 8). The music is in 6/8 time at tempo 66. Sop. Sax. 1 has a melodic line with grace notes and a fermata. Sop. Sax. 2 and 3 play eighth-note patterns. Sop. Sax. 4 has a single eighth note. Elect. 1 through Elect. 8 provide harmonic support with sustained notes. Measure numbers 32 and 66 are at the top left. Dynamics like 'p' (piano) are indicated. Measure endings are marked with '3'.



34

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

74

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

35

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score page contains 16 staves, organized into two groups of eight. The top group consists of four staves for Soprano Saxophone (Sop. Sax.) and the bottom group consists of four staves for Electric instruments (Elect.). Each staff begins with a treble clef and a '4' time signature. Measure 74 starts with a single note on the first staff, followed by a measure of eighth-note pairs. Measures 75-76 show complex patterns of sixteenth-note pairs and grace notes. Measures 77-78 feature sustained notes with grace notes. Measures 79-80 show sixteenth-note pairs again. Measures 81-82 return to sustained notes with grace notes. Measures 83-84 conclude with sixteenth-note pairs. Measure 85 ends the section. Measure numbers 74 through 85 are indicated above the staves. Measure 74 is at the top, and measure 85 is at the bottom. The staves are grouped by instrument type: Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4 in the top section; Elect. 1, Elect. 2., Elect. 3, Elect. 4 in the bottom section; Elect. 5, Elect. 6, Elect. 7, Elect. 8 in the bottom section. Measure 74 starts with a single note on the first staff, followed by a measure of eighth-note pairs. Measures 75-76 show complex patterns of sixteenth-note pairs and grace notes. Measures 77-78 feature sustained notes with grace notes. Measures 79-80 show sixteenth-note pairs again. Measures 81-82 return to sustained notes with grace notes. Measures 83-84 conclude with sixteenth-note pairs. Measure 85 ends the section. Measure numbers 74 through 85 are indicated above the staves. Measure 74 is at the top, and measure 85 is at the bottom. The staves are grouped by instrument type: Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4 in the top section; Elect. 1, Elect. 2., Elect. 3, Elect. 4 in the bottom section; Elect. 5, Elect. 6, Elect. 7, Elect. 8 in the bottom section.

36

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

81

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

37

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

The musical score consists of two systems of eight staves each. The top system features Soprano Saxophones 1, 2, 3, and 4. The bottom system features Electric Saxophones 1 through 8. The time signature is primarily common time (4/4), with occasional changes to 6/4 and 5/4. Measure 81 begins with a dotted line above the staff. Measure 37 begins with a solid line. Various performance instructions are included, such as dynamics (p, f), articulations (dots, dashes), and slurs. Measure 81 starts with a dotted line above the staff, while measure 37 starts with a solid line.

38

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

E

[Bells up] Turning Bell side to side  
(slowly, and not synchronizing  
with Saxophone 3)

stop moving the bell  
at default position

86

Sop. Sax. 1 [Bell up] Turning Bell side to side (slowly, and not synchronizing with Saxophone 3) stop moving the bell at default position

Sop. Sax. 2 [Bells up] Turning Bell side to side (slowly, and not synchronizing with Saxophone 1) stop moving the bell at default position

Sop. Sax. 3 [Bells up] Turning Bell side to side (slowly, and not synchronizing with Saxophone 2) stop moving the bell at default position

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

40 89

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

The musical score consists of two systems of eight staves each. System 89 begins with four staves of soprano saxophone parts (Sop. Sax. 1, 2, 3, 4) in common time (indicated by '4'). The soprano saxophones play eighth-note patterns with various dynamics: Sop. Sax. 1 has a dynamic of *sub.f*, followed by measures 3 and *p*; Sop. Sax. 2 has a dynamic of *sub.f*, followed by measures 6 and *p*; Sop. Sax. 3 has a dynamic of *sub.f*, followed by measures 3 and *p*; Sop. Sax. 4 has a dynamic of *sub.f*, followed by measures 5 and *p*. The remaining four staves belong to the electric instruments (Elect. 1 through Elect. 8), which play sustained notes with a dynamic of *p*. Measure numbers 40 and 89 are present at the top left of the first staff.

91

Sop. Sax. 1

*sub. f*

p

Sop. Sax. 2

*sub. f*

5

5

p

Sop. Sax. 3

3

*sub. f*

3

3

p

Sop. Sax. 4

3

*sub. f*

6

6

p

Elect. 1

2

4

Elect. 2

2

4

Elect. 3

2

4

Elect. 4

2

4

Elect. 5

2

4

Elect. 6

2

4

Elect. 7

2

4

Elect. 8

2

4

42 93

Sop. Sax. 1

f  $\xrightarrow{\hspace{1cm}}$  p f  $\xrightarrow{\hspace{1cm}}$  p

Sop. Sax. 2

f  $\xrightarrow{\hspace{1cm}}$  p gliss. (embochure gliss.) timbral/Tc (fast)  $\xrightarrow{\hspace{1cm}}$

Sop. Sax. 3

f  $\xrightarrow{\hspace{1cm}}$  p f  $\xrightarrow{\hspace{1cm}}$  p p

Sop. Sax. 4

f  $\xrightarrow{\hspace{1cm}}$  p gliss. (embochure gliss.) tr  $\xrightarrow{\hspace{1cm}}$

Elect. 1

f  $\xrightarrow{\hspace{1cm}}$  p f

Elect. 2

f  $\xrightarrow{\hspace{1cm}}$  p f

Elect. 3

f  $\xrightarrow{\hspace{1cm}}$  p f

Elect. 4

f  $\xrightarrow{\hspace{1cm}}$  p f

Elect. 5

f  $\xrightarrow{\hspace{1cm}}$  p f

Elect. 6

f  $\xrightarrow{\hspace{1cm}}$  p f

Elect. 7

f  $\xrightarrow{\hspace{1cm}}$  p f

Elect. 8

f  $\xrightarrow{\hspace{1cm}}$  p f

98 43

Sop. Sax. 1 Tc trill (slow) *tr* *3*

Sop. Sax. 2 bisbi. (embochure gliss.)

Sop. Sax. 3 trill 2(fast) Tc trill (slow) *tr* *3*

Sop. Sax. 4 (embochure gliss.)

Elect. 1 + granulation over time

Elect. 2 + granulation over time

Elect. 3 + granulation over time

Elect. 4 + granulation over time

Elect. 5 + granulation over time

Elect. 6 + granulation over time

Elect. 7 + granulation over time

Elect. 8 + granulation over time

**F** Electronics  
Interlude II

44

104

Sop. Sax. 1

1

01'15"



108

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score page contains eight staves of music for various instruments. The top four staves are for soprano saxophones (Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4), and the bottom four staves are for electric instruments (Elect. 1, Elect. 2, Elect. 3, Elect. 4, Elect. 5, Elect. 6, Elect. 7, Elect. 8). The music is in common time (indicated by '4'). Measure 108 begins with a dynamic of *f*. Measures 109 through 112 show the soprano saxophones playing eighth-note patterns. Measures 113 through 116 show the electric instruments playing eighth-note patterns. Measures 117 through 120 show the soprano saxophones playing eighth-note patterns. Measures 121 through 124 show the electric instruments playing eighth-note patterns. Measures 125 through 128 show the soprano saxophones playing eighth-note patterns. Measures 129 through 132 show the electric instruments playing eighth-note patterns. Measures 133 through 136 show the soprano saxophones playing eighth-note patterns. Measures 137 through 140 show the electric instruments playing eighth-note patterns. Measures 141 through 144 show the soprano saxophones playing eighth-note patterns. Measures 145 through 148 show the electric instruments playing eighth-note patterns.

46

109

Sop. Sax. 1

(sounds like a gliss to C quarter flat)

staccatissimo

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

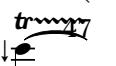
Elect. 5

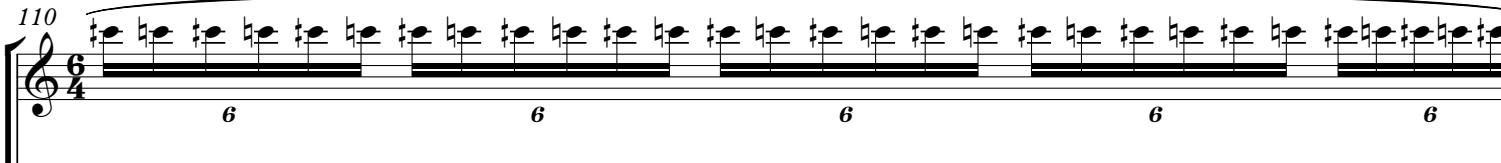
Elect. 6

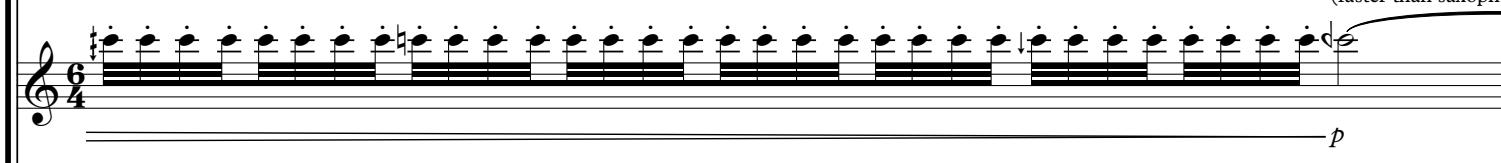
Elect. 7

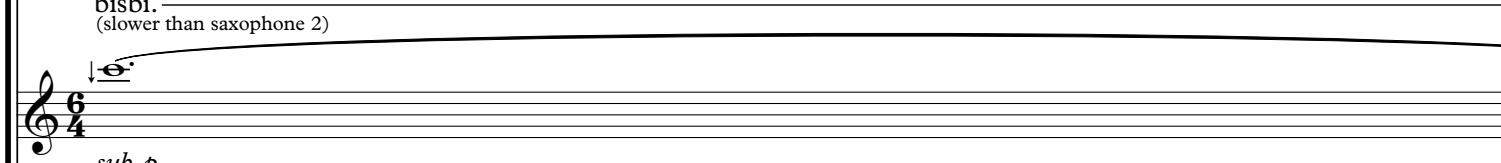
Elect. 8

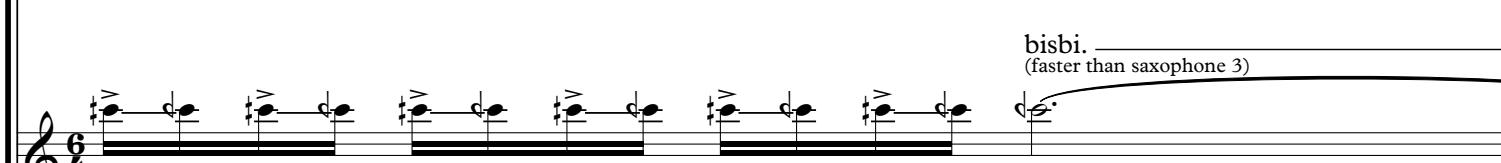
This musical score page contains eight staves of music. The top four staves are for soprano saxophones (Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4), each with a treble clef and a key signature of one sharp. The bottom four staves are for electric instruments (Elect. 1, Elect. 2, Elect. 3, Elect. 4, Elect. 5, Elect. 6, Elect. 7, Elect. 8), each with a treble clef and a key signature of one sharp. The music is in common time (indicated by a '4/4' symbol). The first staff (Sop. Sax. 1) has a dynamic of '6' below it. The second staff (Sop. Sax. 2) has a dynamic of '6' below it and includes a performance instruction: '(sounds like a gliss to C quarter flat)' above the staff and 'staccatissimo' below it. The third staff (Sop. Sax. 3) has a dynamic of '5' below it. The fourth staff (Sop. Sax. 4) has a dynamic of '5' below it. The electric instruments (Elect. 1 through Elect. 8) have dynamics of '6' below them. The music consists of various notes and rests, with some notes having stems pointing up and others down, indicating different pitch levels or glissandi.

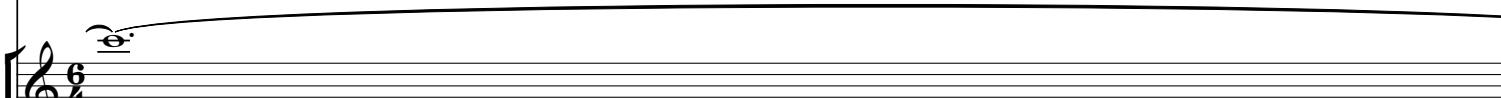
Ta trill (slow) 

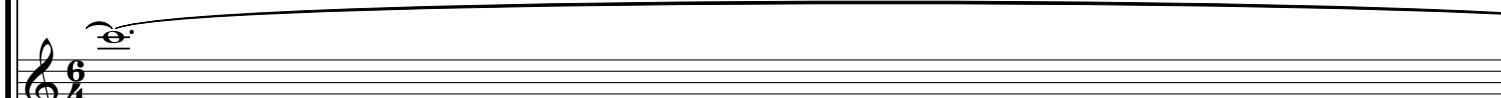
Sop. Sax. 1 110  6 6 6 6 6 6 sub. p

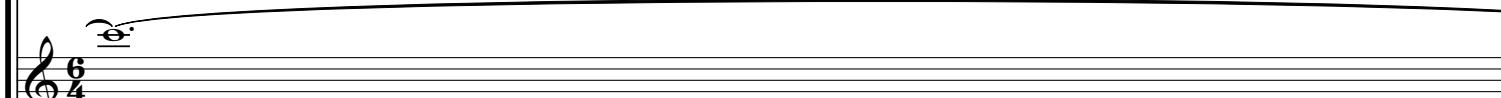
Sop. Sax. 2  bisbi. (faster than saxophone 3) p

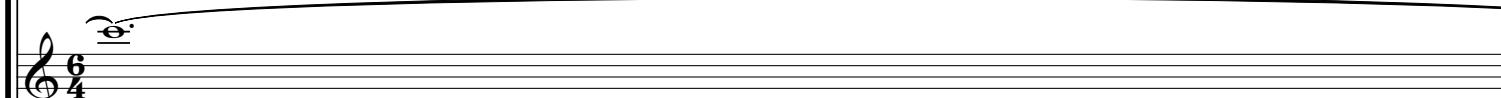
Sop. Sax. 3  bisbi. (slower than saxophone 2) sub. p

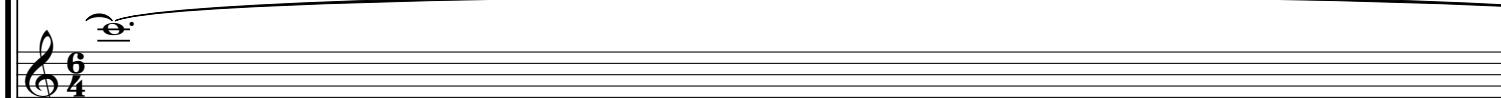
Sop. Sax. 4  bisbi. (faster than saxophone 3) p

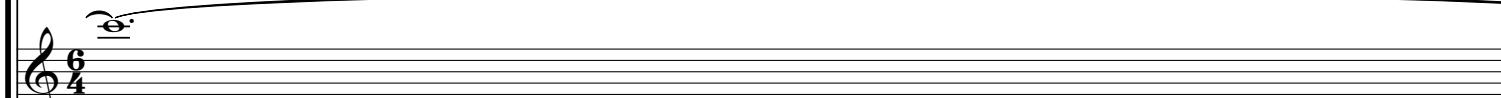
Elect. 1 

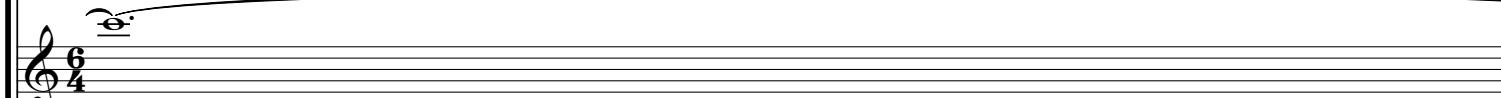
Elect. 2 

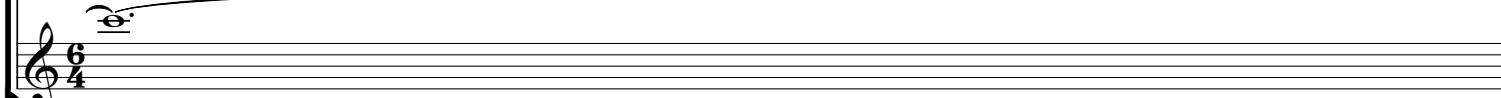
Elect. 3 

Elect. 4 

Elect. 5 

Elect. 6 

Elect. 7 

Elect. 8 

48

Sop. Sax. 1 (tr) 111 bisbi. *f* 5 5 5 5

Sop. Sax. 2 articulate Ta *f*

Sop. Sax. 3 *f*

Sop. Sax. 4 *f* 6

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

114

Sop. Sax. 1 (microtonal gliss.)

Sop. Sax. 2 (embochure gliss.)

Sop. Sax. 3 (microtonal gliss.)

Sop. Sax. 4 (embochure gliss.)

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score page contains eight staves of music. The top four staves are for soprano saxophones (Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4), each with a unique performance technique indicated above the staff: microtonal gliss., embochure gliss., microtonal gliss., and embochure gliss. respectively. The bottom four staves are for electronic instruments (Elect. 1 through Elect. 8), each consisting of a single sustained note with a dynamic marking of f (fortissimo) at the end of the note head. The staves are arranged vertically, with Sop. Sax. 1 at the top and Elect. 8 at the bottom. Measure numbers 114 and 49 are present at the top left and right corners respectively. Measure numbers 5, 5, 5, 6, and 6 are placed below the first four staves to indicate pitch levels.

50

Sop. Sax. 1

116

This musical score page contains 16 staves, organized into two vertical columns of eight staves each. The top column consists of soprano saxophones (Sop. Sax. 1 through Sop. Sax. 4). The bottom column consists of electric instruments (Elect. 1 through Elect. 8). The music is in common time (indicated by a '4' in the key signature). Measure numbers 50 and 116 are present at the top left. Measure 50 starts with a measure of 5 followed by a measure of 3. Measure 116 starts with a measure of 5 followed by a measure of 3. Measures 50 and 116 both end with a measure of 4. Measures 51 and 117 both start with a measure of 5 followed by a measure of 3. Measures 51 and 117 both end with a measure of 4. Measures 52 and 118 both start with a measure of 5 followed by a measure of 3. Measures 52 and 118 both end with a measure of 4. Measures 53 and 119 both start with a measure of 5 followed by a measure of 3. Measures 53 and 119 both end with a measure of 4. Measures 54 and 120 both start with a measure of 5 followed by a measure of 3. Measures 54 and 120 both end with a measure of 4. Measures 55 and 121 both start with a measure of 5 followed by a measure of 3. Measures 55 and 121 both end with a measure of 4. Measures 56 and 122 both start with a measure of 5 followed by a measure of 3. Measures 56 and 122 both end with a measure of 4. Measures 57 and 123 both start with a measure of 5 followed by a measure of 3. Measures 57 and 123 both end with a measure of 4. Measures 58 and 124 both start with a measure of 5 followed by a measure of 3. Measures 58 and 124 both end with a measure of 4. Measures 59 and 125 both start with a measure of 5 followed by a measure of 3. Measures 59 and 125 both end with a measure of 4. Measures 60 and 126 both start with a measure of 5 followed by a measure of 3. Measures 60 and 126 both end with a measure of 4. Measures 61 and 127 both start with a measure of 5 followed by a measure of 3. Measures 61 and 127 both end with a measure of 4. Measures 62 and 128 both start with a measure of 5 followed by a measure of 3. Measures 62 and 128 both end with a measure of 4. Measures 63 and 129 both start with a measure of 5 followed by a measure of 3. Measures 63 and 129 both end with a measure of 4. Measures 64 and 130 both start with a measure of 5 followed by a measure of 3. Measures 64 and 130 both end with a measure of 4. Measures 65 and 131 both start with a measure of 5 followed by a measure of 3. Measures 65 and 131 both end with a measure of 4. Measures 66 and 132 both start with a measure of 5 followed by a measure of 3. Measures 66 and 132 both end with a measure of 4. Measures 67 and 133 both start with a measure of 5 followed by a measure of 3. Measures 67 and 133 both end with a measure of 4. Measures 68 and 134 both start with a measure of 5 followed by a measure of 3. Measures 68 and 134 both end with a measure of 4. Measures 69 and 135 both start with a measure of 5 followed by a measure of 3. Measures 69 and 135 both end with a measure of 4. Measures 70 and 136 both start with a measure of 5 followed by a measure of 3. Measures 70 and 136 both end with a measure of 4. Measures 71 and 137 both start with a measure of 5 followed by a measure of 3. Measures 71 and 137 both end with a measure of 4. Measures 72 and 138 both start with a measure of 5 followed by a measure of 3. Measures 72 and 138 both end with a measure of 4. Measures 73 and 139 both start with a measure of 5 followed by a measure of 3. Measures 73 and 139 both end with a measure of 4. Measures 74 and 140 both start with a measure of 5 followed by a measure of 3. Measures 74 and 140 both end with a measure of 4. Measures 75 and 141 both start with a measure of 5 followed by a measure of 3. Measures 75 and 141 both end with a measure of 4. Measures 76 and 142 both start with a measure of 5 followed by a measure of 3. Measures 76 and 142 both end with a measure of 4. Measures 77 and 143 both start with a measure of 5 followed by a measure of 3. Measures 77 and 143 both end with a measure of 4. Measures 78 and 144 both start with a measure of 5 followed by a measure of 3. Measures 78 and 144 both end with a measure of 4. Measures 79 and 145 both start with a measure of 5 followed by a measure of 3. Measures 79 and 145 both end with a measure of 4. Measures 80 and 146 both start with a measure of 5 followed by a measure of 3. Measures 80 and 146 both end with a measure of 4.

118

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

51

52

120

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

H

53

53

123 (f)

Sop. Sax. 1

Sop. Sax. 2 air re-articulale

Sop. Sax. 3 p

Sop. Sax. 4 p

Elect. 1

Elect. 2 white noise

Elect. 3 white noise

Elect. 4 sine tone f

Elect. 5 sine tone f

Elect. 6 white noise

Elect. 7 white noise

Elect. 8

54

128

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

air  
re-articulale

ff

sine tone

Elect. 1

f (

white noise

ff

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

white noise

ff

Elect. 7

sine tone

Elect. 8

f

134

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

55

air re-articulale

white noise

sine tone

f

ff

56

139

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

*air*

*re-articulatle*

*white noise*

*sine tone*

*f*

*f*

This musical score page contains eight staves for soprano saxophones (Sop. Sax. 1 through Sop. Sax. 4) and eight staves for electronic instruments (Elect. 1 through Elect. 8). The time signature is primarily common time (4/4), with a section in 6/4 indicated. Measure numbers 139 and 56 are present at the top. The score includes various dynamic markings such as *ff*, *f*, and *ff*. Performance instructions include *air*, *re-articulatle*, *white noise*, and *sine tone*. The notation uses standard musical symbols like quarter notes and rests, along with specific markings for electronic performance.

144

Sop. Sax. 1

*p seco*

Sop. Sax. 2

Sop. Sax. 3

*p seco*

Sop. Sax. 4

white noise

Elect. 1

*ff*

Elect. 2.

Elect. 3

white noise

Elect. 4

*pp*

white noise

Elect. 5

*pp*

sine tone

Elect. 6

*f*

sine tone

Elect. 7

*f*

white noise

Elect. 8

*ff*

58

**I**

150

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

78

mp

f

p

White noise masking

Elect. 1

White noise masking

Elect. 2

White noise masking

Elect. 3

White noise masking

Elect. 4

White noise masking

Elect. 5

Elect. 6

Elect. 7

Elect. 8

157

Sop. Sax. 1 *mp* ff

Sop. Sax. 2 <*ff*> <*p*> <*ff*><*p*> ff

Sop. Sax. 3 <*ff*> <*p*> <*ff*><*p*> ff

Sop. Sax. 4 <*ff*> <*p*> <*ff*><*p*> ff

Elect. 1 f

Elect. 2 a pulse <> <> p

Elect. 3 a pulse f <> p

Elect. 4 a swell <*f*> <> f

Elect. 5 <*f*> <> f

Elect. 6 a pulse f <> p

Elect. 7 a pulse f <> p

Elect. 8 <*f*> <> f

60

164

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

21

*p*

*mp*

Elect. 1

*f*

White noise masking

Elect. 2

*f*

White noise masking

Elect. 3

*f*

White noise masking

Elect. 4

*f*

White noise masking

Elect. 5

*f*

White noise masking

Elect. 6

*f*

White noise masking

Elect. 7

*f*

White noise masking

Elect. 8

*p*

*8va*

168

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

a pulse

a swell

f

f

f

f

f

f

8va

f

a pulse

173

Sop. Sax. 1      *pp <poco>*      <><>      <><>      <><>      *ff*

Sop. Sax. 2      *pp <poco>*      <><>      <><>      <><>      *ff*

Sop. Sax. 3      *pp <poco>*      <><>      <><>      <><>      *ff*

Sop. Sax. 4      *pp <poco>*      <><>      <><>      <><>      *ff*

Elect. 1      *p*

Elect. 2      <><>

Elect. 3      *f*

Elect. 4      *p*

Elect. 5      *p*

Elect. 6      *f*

Elect. 7      (8)      *f*

Elect. 8      <><>      *p*

This musical score page contains two groups of eight staves each. The top group consists of four soprano saxophone parts (Sop. Sax. 1, 2, 3, 4) and the bottom group consists of four electric instrument parts (Elect. 1, 2, 3, 4). The music is in common time (indicated by '4'). Measure 173 begins with a dynamic of *pp <poco>*, followed by a rhythmic pattern of eighth-note pairs (indicated by '<><>') repeated three times. This is followed by a measure of rests and a dynamic of *ff*. The electric parts (Elect. 1 through Elect. 8) also feature eighth-note pairs and rests, with dynamics including *p*, *f*, and *p*. Measure 174 starts with a dynamic of *p* for the electric parts, followed by a measure of rests and a dynamic of *f*. The electric parts continue with eighth-note pairs and rests, with dynamics including *p*, *f*, and *p*.

177

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

White noise masking

Elect. 2

Elect. 3

Elect. 4

White noise masking

Elect. 5

White noise masking

Elect. 6

Elect. 7

Elect. 8

White noise masking

This musical score page contains eight staves, each with a treble clef and a common time signature (indicated by a '4').  
The first four staves are labeled 'Sop. Sax. 1', 'Sop. Sax. 2', 'Sop. Sax. 3', and 'Sop. Sax. 4'. These staves show sustained notes across all measures.  
The next four staves are labeled 'Elect. 1', 'Elect. 2', 'Elect. 3', and 'Elect. 4'. These staves also show sustained notes.  
Measure 5: Elect. 1 has a dynamic marking 'f' below the staff.  
Measure 6: Elect. 2 has a dynamic marking 'f' below the staff.  
Measure 7: Elect. 3 has a dynamic marking 'f' below the staff.  
Measure 8: Elect. 4 has a dynamic marking 'f' below the staff.  
Measure 9: Elect. 5 has a dynamic marking 'f' below the staff.  
Measure 10: Elect. 6 has a dynamic marking 'f' below the staff.  
Measure 11: Elect. 7 has a dynamic marking 'f' below the staff.  
Measure 12: Elect. 8 has a dynamic marking 'f' below the staff.  
Performance instructions are present in several staves:  
- 'White noise masking' is written above the staff for Elect. 1, Elect. 4, Elect. 5, and Elect. 8.  
- Measure 5: Elect. 1 has a dynamic marking 'f' below the staff.  
- Measure 6: Elect. 2 has a dynamic marking 'f' below the staff.  
- Measure 7: Elect. 3 has a dynamic marking 'f' below the staff.  
- Measure 8: Elect. 4 has a dynamic marking 'f' below the staff.  
- Measure 9: Elect. 5 has a dynamic marking 'f' below the staff.  
- Measure 10: Elect. 6 has a dynamic marking 'f' below the staff.  
- Measure 11: Elect. 7 has a dynamic marking 'f' below the staff.  
- Measure 12: Elect. 8 has a dynamic marking 'f' below the staff.

180

Sop. Sax. 1

Sop. Sax. 2 *p*

Sop. Sax. 3

Sop. Sax. 4 [81] *mp* *f*

Elect. 1

Elect. 2 *f* a pulse *f*

Elect. 3 *f* a pulse *f*

Elect. 4

Elect. 5 a pulse *f*

Elect. 6 *f*

Elect. 7 *f* a pulse *f*

Elect. 8

185

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

191

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

White noise masking

Elect. 2.

Elect. 3

White noise masking

Elect. 4

Elect. 5

White noise masking

Elect. 6

Elect. 7

White noise masking

Elect. 8

86

*p*

195

Sop. Sax. 1

Sop. Sax. 2 *f* *mp*

Sop. Sax. 3

Sop. Sax. 4

Elect. 1 *a pulse* *a swell*

Elect. 2 *White noise masking*

Elect. 3 *a pulse* *a swell*

Elect. 4 *White noise masking*

Elect. 5 *a pulse* *a swell*

Elect. 6 *White noise masking*

Elect. 7 *a pulse* *a swell*

Elect. 8 *White noise masking*

199

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

The score consists of eight staves, each representing a different instrument. The top four staves are soprano saxophones (Sop. Sax. 1, 2, 3, 4), and the bottom four are electric instruments (Elect. 1, 2, 3, 4, 5, 6, 7, 8). The music is in common time, with a key signature of one sharp. The notation includes various note heads, stems, and rests. Performance instructions like ' $\triangleleft \triangleright$ ' and ' $\triangleleft \triangleright \triangleleft \triangleright$ ' are placed under specific notes. Dynamics include *ff*, *p*, *f*, *mf*, *mp*, and *pp*.

**J** serializing the key fingerings over C (never repeating the same key fingering until reaching a slap tongue)

69

203

Sop. Sax. 1 *ppp* *sempre mf*  
serializing the key fingerings over C6  
(never repeating the same key fingering until reaching a slap tongue)

Sop. Sax. 2 *pp* *pppp* *sempre mf*  
serializing the key fingerings over C6  
(never repeating the same key fingering until reaching a slap tongue)

Sop. Sax. 3 *sempre mf*  
serializing the key fingerings over C6  
(never repeating the same key fingering until reaching a slap tongue)

Sop. Sax. 4 *sempre mf*

Elect. 1 *a pulse* *White noise swell* *f* *sf* *f*

Elect. 2 *f* *sf* *f*

Elect. 3 *a pulse* *White noise swell* *f* *sf* *f*

Elect. 4 *White noise swell* *f* *sf*

Elect. 5 *a pulse* *White noise swell* *f* *sf* *f*

Elect. 6 *f* *sf* *f*

Elect. 7 *a pulse* *White noise swell* *f* *sf* *f*

Elect. 8 *White noise swell* *f* *sf*

70

207

Sop. Sax. 1      *sempre sf*

Sop. Sax. 2      *sempre sf*

Sop. Sax. 3      *sempre sf*

Sop. Sax. 4      *sempre sf (mf)*

Elect. 1      *poco f poco sub. f*

Elect. 2      *poco f*

Elect. 3      *poco f poco sub. f*

Elect. 4      *f poco sub. f poco*

Elect. 5      *poco f poco sub. f*

Elect. 6      *poco*

Elect. 7      *poco f poco sub. f*

Elect. 8      *f poco f*

211

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

poco sub. f

sub. f

sub. f

poco sub. f

sub. f

poco sub. f

72

216

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

**K**  
 ord.  
 221

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

noise  
pulse

mf sempre

Elect. 2

noise  
pulse

mf sempre f

Elect. 3

noise  
pulse

mf sempre

Elect. 4

noise  
pulse

mf sempre

Elect. 5

noise  
pulse

mf sempre f

Elect. 6

noise  
pulse

mf sempre

Elect. 7

noise  
pulse

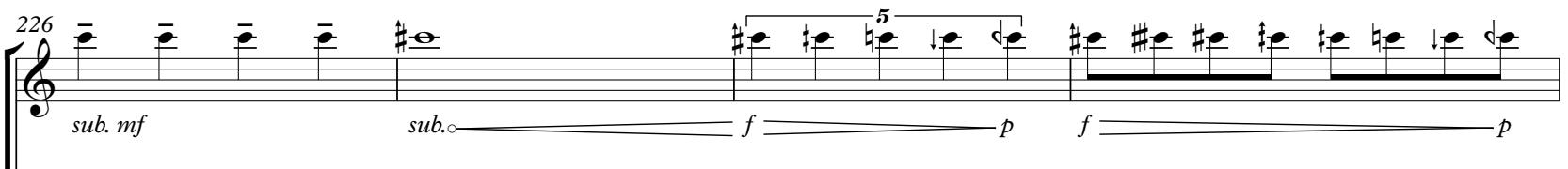
mf sempre f

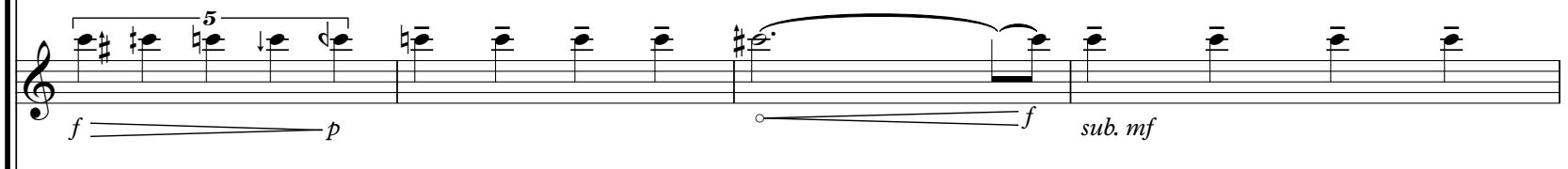
Elect. 8

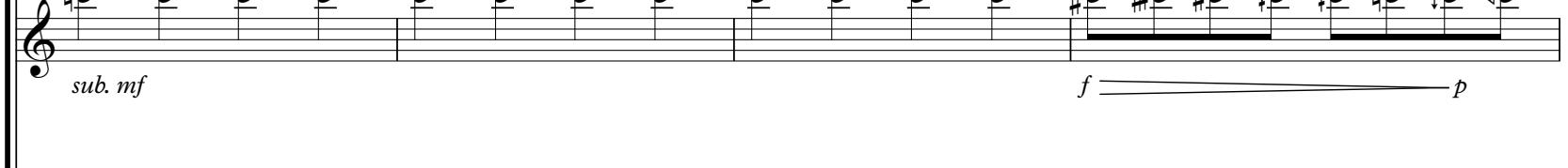
noise  
pulse

mf sempre f

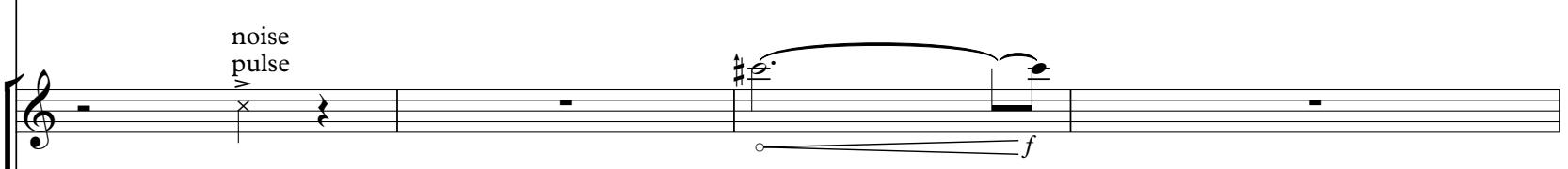
74 226

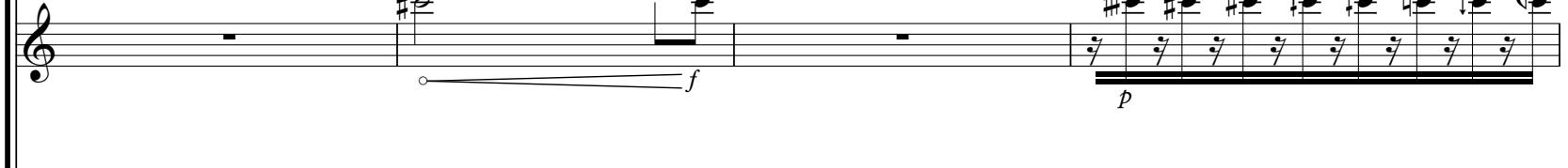
Sop. Sax. 1 

Sop. Sax. 2 

Sop. Sax. 3 

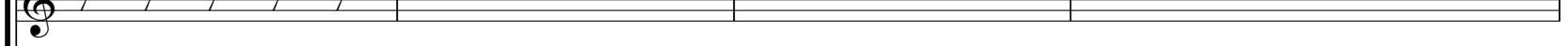
Sop. Sax. 4 

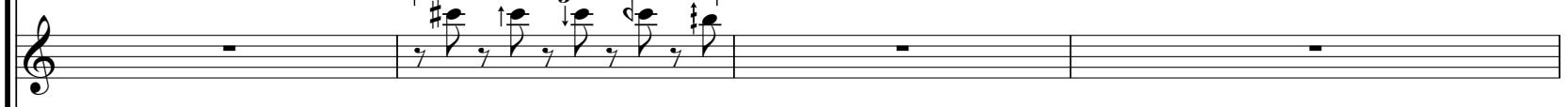
Elect. 1 

Elect. 2 

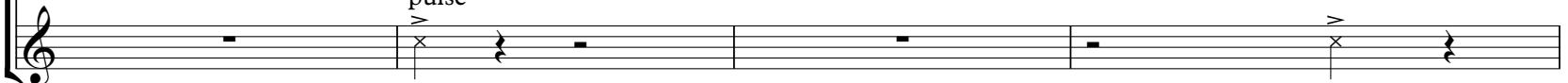
Elect. 3 

Elect. 4 

Elect. 5 

Elect. 6 

Elect. 7 

Elect. 8 

230

Sop. Sax. 1

f —————— p      sub. mf      p —————— f

Sop. Sax. 2

p —————— f —————— p

Sop. Sax. 3

sub. mf      f —————— p      p —————— f

Sop. Sax. 4

p —————— mf

Elect. 1

5

Elect. 2.

f

Elect. 3

f

noise  
pulse

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

6

6

6

6

6

6

6

6

76

233

Sop. Sax. 1

*f* 3 3 3 3 3      *p*      *f*      *p*

Sop. Sax. 2

(*mf*)      *f*      *p*      *f* 3 3 3 3 3

Sop. Sax. 3

(*mf*)      *p*      *f*      *p*      (*mf*)

Sop. Sax. 4

*p*      *f*      *p*      (*mf*)

Elect. 1

noise  
pulse

Elect. 2

noise  
pulse

Elect. 3

noise  
pulse

Elect. 4

noise  
pulse

Elect. 5

noise  
pulse

Elect. 6

noise  
pulse

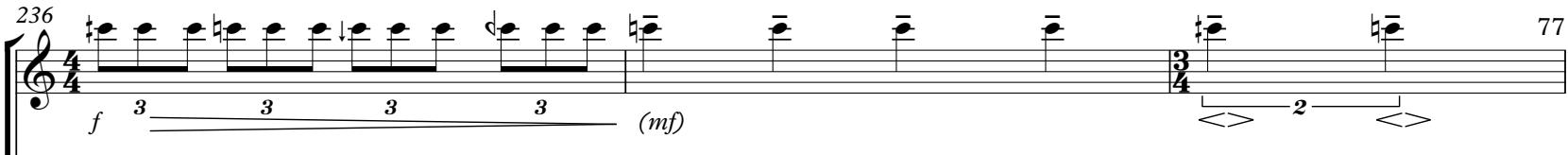
Elect. 7

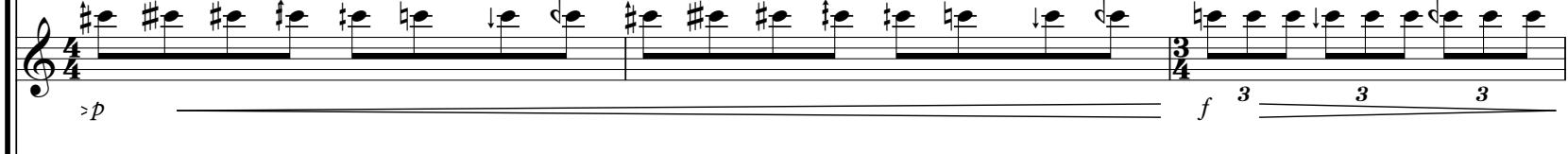
noise  
pulse

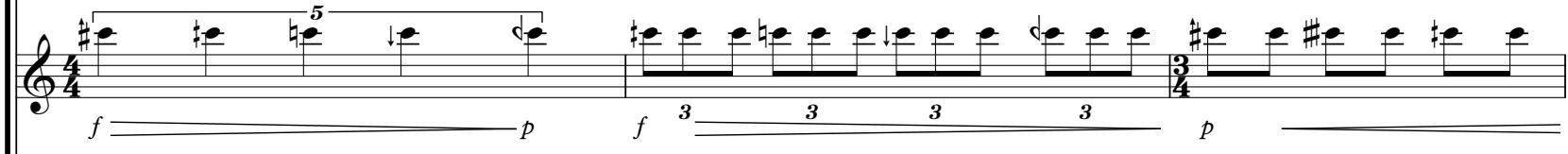
Elect. 8

noise  
pulse

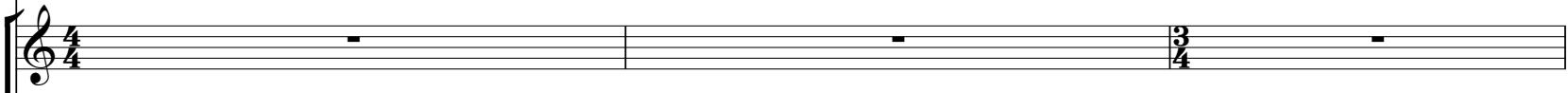
236 77

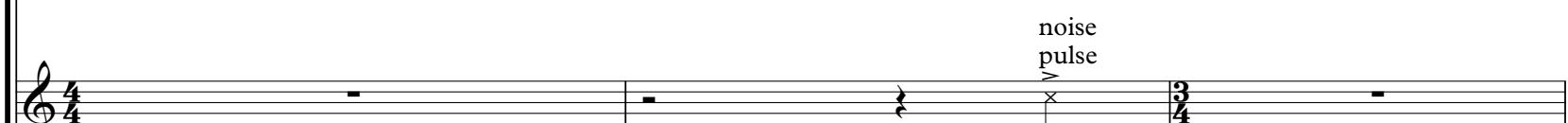
Sop. Sax. 1 

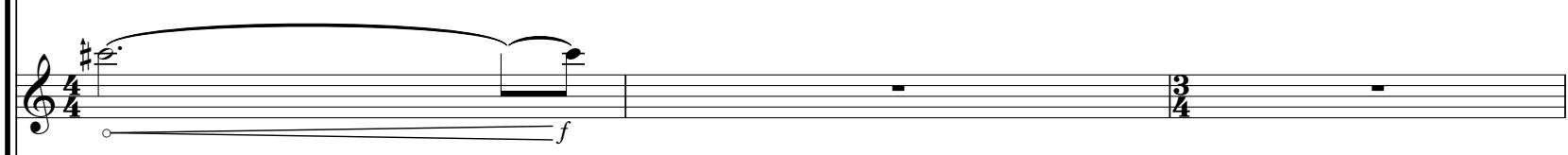
Sop. Sax. 2 

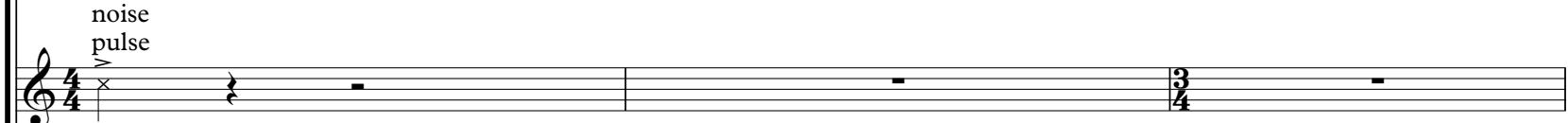
Sop. Sax. 3 

Sop. Sax. 4 

Elect. 1 

Elect. 2 

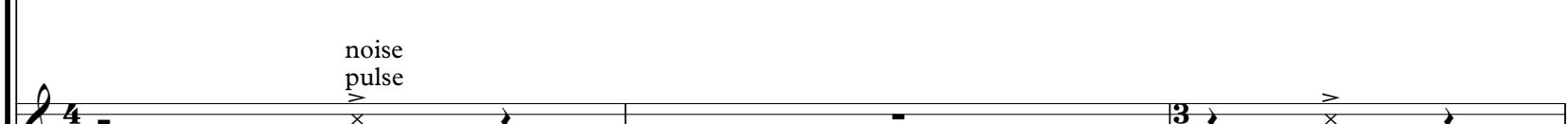
Elect. 3 

Elect. 4 

Elect. 5 

Elect. 6 

Elect. 7 

Elect. 8 

239

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

noise  
pulse

Elect. 4

Elect. 5

Elect. 6

Elect. 7

noise  
pulse

Elect. 8

The musical score consists of eight staves, each with a treble clef and four horizontal lines. The first four staves are for Soprano Saxophones (Sop. Sax. 1, 2, 3, 4), and the last four are for Electric instruments (Elect. 1, 2, 3, 4, 5, 6, 7, 8). Measure 239 begins with Sop. Sax. 1 playing eighth-note pairs. Sop. Sax. 2 follows with eighth-note pairs and a dynamic marking '2'. Sop. Sax. 3 and 4 play eighth-note pairs. Elect. 1 has a dynamic 'f' and a 'noise pulse' instruction. Elect. 2, 3, 4, 5, 6, and 7 have rests. Elect. 8 concludes with a dynamic 'p' and a 'noise pulse' instruction. Various dynamics and performance techniques are indicated throughout the score.

242

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

noise  
pulse

Elect. 4

noise  
pulse

Elect. 5

Elect. 6

Elect. 7

noise  
pulse

Elect. 8

f ————— p

f ————— p sub. mf

sub. mf

f ————— p sub. mf

f

—

—

noise  
pulse

—

noise  
pulse

—

noise  
pulse

—

245

Sop. Sax. 1 *sub. mf*

Sop. Sax. 2 *f* — *p* *sub. mf*

Sop. Sax. 3 *f* — *p* *sub. mf*

Sop. Sax. 4 *f* — *p*

Elect. 1

Elect. 2 *noise pulse*

Elect. 3

Elect. 4 *noise pulse*

Elect. 5 *f* *noise pulse*

Elect. 6 *noise pulse*

Elect. 7 *f* *noise pulse*

Elect. 8 *f*

This musical score page contains eight staves of music. The top four staves are for soprano saxophones (Sop. Sax. 1, 2, 3, 4), each with a dynamic marking below it: 'sub. mf', 'f — p sub. mf', 'f — p sub. mf', and 'f — p' respectively. The bottom four staves are for electric instruments (Elect. 1, 2, 3, 4). Elect. 1 has no markings. Elect. 2 has a 'noise pulse' instruction above the second measure. Elect. 3 has no markings. Elect. 4 has a 'noise pulse' instruction above the first measure. Elect. 5 has a dynamic 'f' below the staff and a 'noise pulse' instruction above the second measure. Elect. 6 has a 'noise pulse' instruction above the first measure. Elect. 7 has a dynamic 'f' below the staff and a 'noise pulse' instruction above the second measure. Elect. 8 has a dynamic 'f' below the staff.

248

Sop. Sax. 1

f ————— p

Sop. Sax. 2

p

Sop. Sax. 3

f ————— p sub. mf

Sop. Sax. 4

sub. mf f ————— p

noise pulse

Elect. 1

noise pulse

Elect. 2

noise pulse

Elect. 3

noise pulse

Elect. 4

noise pulse

Elect. 5

f

noise pulse

Elect. 6

f

noise pulse

Elect. 7

f

noise pulse

Elect. 8

noise pulse

251

Sop. Sax. 1 *sub. mf* *p* *f* *3* *3* *3* *3* *3* *3*

Sop. Sax. 2 *f* *5* *p* *sub. mf*

Sop. Sax. 3 *f* *p* *(sub mf)*

Sop. Sax. 4 *(sub mf)* *p*

Elect. 1

Elect. 2 noise pulse

Elect. 3 noise pulse

Elect. 4 *f*

Elect. 5 noise pulse

Elect. 6 noise pulse

Elect. 7 noise pulse

Elect. 8 noise pulse

254

Sop. Sax. 1

*p*

Sop. Sax. 2

*f*      *p*      *sub.f*      3 3 3 3

Sop. Sax. 3

*f*      *p*

Sop. Sax. 4

*f* 3 3 3 3      (*sub mf*)

noise pulse

Elect. 1

x - - - -

Elect. 2

- - - -

Elect. 3

- - - -

Elect. 4

- - - -

noise pulse

Elect. 5

x - - - -

Elect. 6

- - - -

noise pulse

Elect. 7

- - - -

Elect. 8

- - - -

257

Sop. Sax. 1 (sub. *mf*) <> <>

Sop. Sax. 2 *p* *f* 3 3 3 *p*

Sop. Sax. 3 *sub. f* 3 3 3 3 3 3 3

Sop. Sax. 4 *f* *p* (sub. *mf*)

Elect. 1 noise pulse 3 3 3

Elect. 2 noise pulse 3 3 3

Elect. 3 noise pulse 3 3 3

Elect. 4 5

Elect. 5 *f* 3

Elect. 6 3

Elect. 7 3

Elect. 8 noise pulse 3

259

Sop. Sax. 1 (sub. *mf*)

Sop. Sax. 2

Sop. Sax. 3 *p* *f*

Sop. Sax. 4 *f* *3* *3* *3* *3* *p*

Elect. 1

Elect. 2.

Elect. 3

Elect. 4 noise pulse

Elect. 5 noise pulse

Elect. 6 noise pulse

Elect. 7 noise pulse

Elect. 8 noise pulse

**L Electronics  
Interlude III**

261

01'15"

Sop. Sax. 1

6 | 4

**M**

262

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

noise pulse

Elect. 1

noise pulse

Elect. 2

noise pulse

Elect. 3

noise pulse

Elect. 4

noise pulse

Elect. 5

noise pulse

Elect. 6

Elect. 7

noise pulse

Elect. 8

Measures 262-263 musical details:

- Sop. Sax. 1:** Sustained note with fermata, dynamic **f**.
- Sop. Sax. 2:** Rest.
- Sop. Sax. 3:** Rest.
- Sop. Sax. 4:** Sustained note with fermata, dynamic **f**.
- Elect. 1:** Noise pulse, dynamic **f**.
- Elect. 2:** Noise pulse, dynamic **f**.
- Elect. 3:** Noise pulse, dynamic **f**.
- Elect. 4:** Sustained note with fermata, dynamic **f**.
- Elect. 5:** Sustained note with fermata, dynamic **f**.
- Elect. 6:** Rest.
- Elect. 7:** Rest.
- Elect. 8:** Noise pulse, dynamic **f**.

Musical score for 8 staves, page 87. The score consists of two groups of four staves each. The top group (Sop. Sax. 1-4) and bottom group (Elect. 1-4) are in common time (indicated by '4'). The key signature is determined by the first staff in each group.

**Soprano Saxophones (Sop. Sax. 1-4):**

- Staff 1: Treble clef, key signature of one sharp (F#). Sustains a note from measure 1 to measure 4, ending with a fermata. Grace notes are present above the sustained note.
- Staff 2: Treble clef, key signature of one sharp (F#). Sustains a note from measure 1 to measure 4, ending with a fermata.
- Staff 3: Treble clef, key signature of one sharp (F#). Sustains a note from measure 1 to measure 4, ending with a fermata.
- Staff 4: Treble clef, key signature of one sharp (F#). Sustains a note from measure 1 to measure 4, ending with a fermata.

**Electric Saxophones (Elect. 1-4):**

- Staff 5: Treble clef, key signature of one sharp (F#). Sustains a note from measure 1 to measure 4, ending with a fermata.
- Staff 6: Treble clef, key signature of one sharp (F#). Sustains a note from measure 1 to measure 4, ending with a fermata.
- Staff 7: Treble clef, key signature of one sharp (F#). Sustains a note from measure 1 to measure 4, ending with a fermata.
- Staff 8: Treble clef, key signature of one sharp (F#). Sustains a note from measure 1 to measure 4, ending with a fermata.

**Annotations:**

- Staff 4:** "change of sine tone nature" is written above the staff.
- Staff 5:** "change of sine tone nature" is written above the staff.
- Staff 6:** "noise pulse" is written above the staff, with a dynamic marking "f".
- Staff 7:** "noise pulse" is written above the staff, with a dynamic marking "f".

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

change of sine tone  
nature

Elect. 2.

change of sine tone  
nature

Elect. 3

change of sine tone  
nature

Elect. 4

noise  
pulse

f

Elect. 5

noise  
pulse

f

Elect. 6

noise  
pulse

f

Elect. 7

noise  
pulse

f

Elect. 8

change of sine tone  
nature

275

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8



**N** Electronics  
Interlude IV

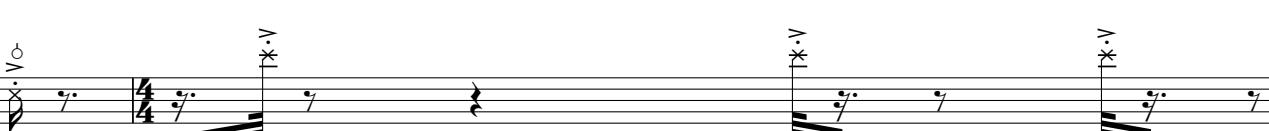
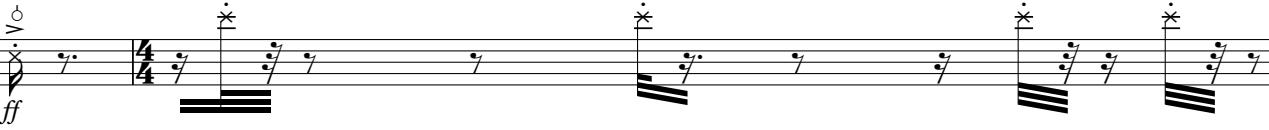
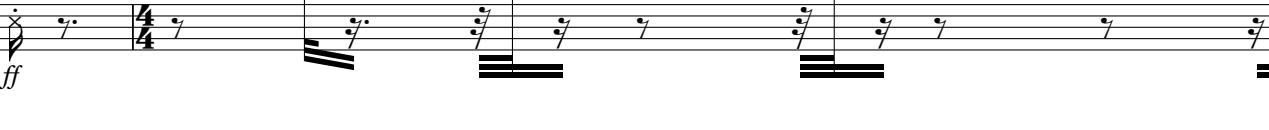
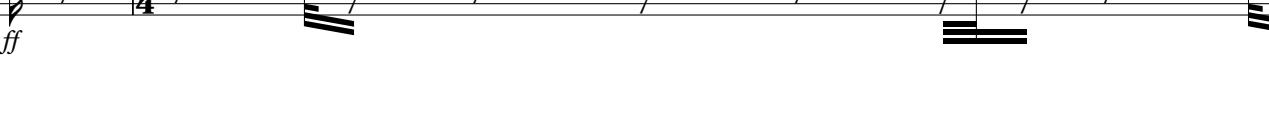
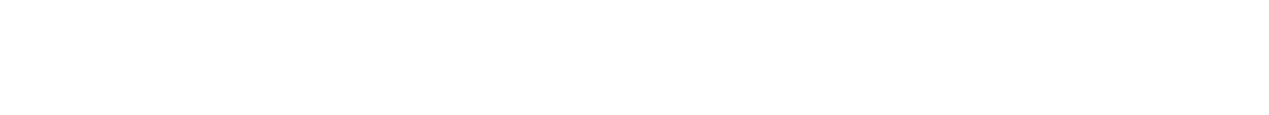
277

01'15"



Sop. Sax. 1



**O**  
 90      278      air sound      re-articulate        
 Sop. Sax. 1      ff      *sempre f*  
  
 air sound      re-articulate        
 Sop. Sax. 2      ff      *sempre f*  
  
 air sound      re-articulate        
 Sop. Sax. 3      ff      *sempre f*  
  
 air sound      re-articulate        
 Sop. Sax. 4      ff      *sempre f*  
  
  
  
  
 Elect. 1      ff        
  
 air        
 Elect. 2      ff        
  
 air        
 Elect. 3      ff        
  
 air        
 Elect. 4      ff        
  
 air        
 Elect. 5      ff        
  
 air        
 Elect. 6      ff        
  
 air        
 Elect. 7      ff        
  
 air      

280

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score page contains eight staves of music. The top four staves are labeled "Sop. Sax. 1", "Sop. Sax. 2", "Sop. Sax. 3", and "Sop. Sax. 4". Each of these staves has a single note on the first line. The bottom four staves are labeled "Elect. 1", "Elect. 2.", "Elect. 3", "Elect. 4", "Elect. 5", "Elect. 6", "Elect. 7", and "Elect. 8". Each of these staves features a continuous series of eighth-note patterns. The tempo of the piece is indicated as 280. The page number 91 is located in the top right corner of the page.

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

1

2

3

4

5

6

7

8

283 93  
 Sop. Sax. 1  
 f p + f  
 Sop. Sax. 2  
 Sop. Sax. 3  
 p f  
 Sop. Sax. 4  
 p f  
 Elect. 1  
 Elect. 2.  
 Elect. 3  
 Elect. 4  
 Elect. 5  
 Elect. 6  
 Elect. 7  
 Elect. 8

The musical score consists of sixteen staves arranged in two vertical columns of eight. The top column contains staves for Sop. Sax. 1 through Sop. Sax. 4. The bottom column contains staves for Elect. 1 through Elect. 8. Each staff begins with a treble clef and a common time signature. Measure 283 starts with a rest followed by a dynamic 'f'. The next measure begins with a dynamic 'p' and a '+' sign above the staff. Measure 284 starts with a dynamic 'p' and ends with a dynamic 'f'. Measure 285 starts with a dynamic 'f'. Measures 286-290 show electric instruments 1-8 playing sixteenth-note patterns. Measures 291-295 show electric instruments 1-8 continuing their sixteenth-note patterns.

94 285

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

86

95

287

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

dense ping pong delay in the electronics

Elect. 2.

dense ping pong delay in the electronics

Elect. 3

dense ping pong delay in the electronics

Elect. 4

dense ping pong delay in the electronics

Elect. 5

dense ping pong delay in the electronics

Elect. 6

dense ping pong delay in the electronics

Elect. 7

dense ping pong delay in the electronics

Elect. 8

dense ping pong delay in the electronics



291

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

97

The musical score consists of eight staves, each representing a different instrument. The top four staves are for soprano saxophones (Sop. Sax. 1, 2, 3, 4), and the bottom four are for electric instruments (Elect. 1, 2., 3, 4, 5, 6, 7, 8). The music is in 4/4 time. Sop. Sax. 1 starts with a dynamic 'f' and a grace note. Sop. Sax. 2, 3, and 4 play eighth-note patterns with dynamics 'f', 'f', and 'p'. Elect. 1 through Elect. 8 play eighth-note patterns with grace notes and dynamics 'f' and 'p'.

98 293

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

21

*sf*

*p f*

*p f*

*p f p*

99

295

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

78

dense ping pong delay in the  
electronics

100

297

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8



**P** Electronics  
Interlude V

299

01'15"

Sop. Sax. 1

Q

101

Sop. Sax. 1      *sempre f*

Sop. Sax. 2      *sempre f*

Sop. Sax. 3      *sempre f*

Sop. Sax. 4      *sempre f*

Elect. 1      White noise signal  
200Hz

Elect. 2.      White noise signal  
10KHz

Elect. 3      White noise signal  
200Hz

Elect. 4      White noise signal  
10KHz

Elect. 5      White noise signal  
200Hz

Elect. 6      White noise signal  
10KHz

Elect. 7      White noise signal  
200Hz

Elect. 8      White noise signal  
10KHz



311

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

103

White noise signal

Elect. 1

White noise signal

Elect. 2

White noise signal

Elect. 3

White noise signal

Elect. 4

White noise signal

Elect. 5

White noise signal

Elect. 6

White noise signal

Elect. 7

White noise signal

Elect. 8

White noise signal

(f) *Saxophones MASKED*

This musical score page contains eight staves of music. The top four staves are for 'Sop. Sax.' (soprano saxophones), each marked with a dynamic of *f*. The bottom four staves are for 'Elect.' (electric instruments). Each electric staff has a 'White noise signal' indicated by a wavy line above the staff and '(f) *Saxophones MASKED*' written below it. Measure numbers 311 and 103 are at the top left and right respectively. Measure numbers 3 and 4 are placed below the first two soprano staves. Measure numbers 1 and 2 are placed below the first two electric staves.



**R**

105

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

332

*f* 3

transition to sine tone Sine Tone Signal (fine tuning over time)

Elect. 1

*pp* *poco*

transition to sine tone Sine Tone Signal (fine tuning over time)

Elect. 2

*pp* *poco*

transition to sine tone Sine Tone Signal (fine tuning over time)

Elect. 3

*pp* *poco*

transition to sine tone Sine Tone Signal (fine tuning over time)

Elect. 4

*pp* *poco*

transition to sine tone Sine Tone Signal (fine tuning over time)

Elect. 5

*pp* *poco*

transition to sine tone Sine Tone Signal (fine tuning over time)

Elect. 6

*pp* *poco*

transition to sine tone Sine Tone Signal (fine tuning over time)

Elect. 7

*pp* *poco*

transition to sine tone Sine Tone Signal (fine tuning over time)

Elect. 8

*pp* *poco*

106

338

Sop. Sax. 1 (f) choose a fingering which is possible to bisbi. in the next bars.

Sop. Sax. 2 (f) choose a fingering which is possible to bisbi. in the next bars.

Sop. Sax. 3 (f) choose a fingering which is possible to bisbi. in the next bars.

Sop. Sax. 4 (f) choose a fingering which is possible to bisbi. in the next bars.

Elect. 1 (f) **Saxophones MASKED** pp

Elect. 2. (f) **Saxophones MASKED** pp

Elect. 3 (f) **Saxophones MASKED** pp

Elect. 4 (f) **Saxophones MASKED** pp

Elect. 5 (f) **Saxophones MASKED** pp

Elect. 6 (f) **Saxophones MASKED** pp

Elect. 7 (f) **Saxophones MASKED** pp

Elect. 8 (f) **Saxophones MASKED** pp

Musical score page 107 featuring eight staves of music for various saxophones. The staves are arranged as follows:

- Sop. Sax. 1: Treble clef, dynamic *f*.
- Sop. Sax. 2: Treble clef, dynamic *f*, with markings "bisbi." and a dashed line.
- Sop. Sax. 3: Treble clef, dynamic *f*.
- Sop. Sax. 4: Treble clef, dynamic *f*, with markings "bisbi." and a dashed line.
- Elect. 1: Treble clef, dynamic *f*, with text "Saxophones MASKED".
- Elect. 2: Treble clef, dynamic *f*, with text "Saxophones MASKED".
- Elect. 3: Treble clef, dynamic *f*, with text "Saxophones MASKED".
- Elect. 4: Treble clef, dynamic *f*, with text "Saxophones MASKED".
- Elect. 5: Treble clef, dynamic *f*, with text "Saxophones MASKED".
- Elect. 6: Treble clef, dynamic *f*, with text "Saxophones MASKED".
- Elect. 7: Treble clef, dynamic *f*, with text "Saxophones MASKED".
- Elect. 8: Treble clef, dynamic *f*, with text "Saxophones MASKED".

The score includes measure numbers 344 at the top left and 107 at the top right. Measures are indicated by vertical bar lines, and each staff concludes with a repeat sign and a brace.

108

350

Sop. Sax. 1

bisbi.

Sop. Sax. 2

bisbi.

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

*p*

Elect. 2

*p*

Elect. 3

*p*

Elect. 4

*p*

Elect. 5

*p*

Elect. 6

*p*

Elect. 7

*p*

Elect. 8

*p*

This musical score page contains eight staves of music. The top four staves are for soprano saxophones (Sop. Sax. 1, 2, 3, 4), and the bottom four are for electric instruments (Elect. 1, 2, 3, 4, 5, 6, 7, 8). The tempo is marked as 350 BPM. Measure 108 starts with a dynamic of *p*. The soprano saxophones play eighth-note patterns with grace notes. The electric instruments play sustained notes with long arcs above them. Measure 109 begins with a dynamic of *pp*.

355

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

*molto >○*

Elect. 1

(f) *Saxophones MASKED*

Elect. 2

(f) *Saxophones MASKED*

Elect. 3

(f) *Saxophones MASKED*

Elect. 4

(f) *Saxophones MASKED*

Elect. 5

(f) *Saxophones MASKED*

Elect. 6

(f) *Saxophones MASKED*

Elect. 7

(f) *Saxophones MASKED*

Elect. 8

(f) *Saxophones MASKED*

*pp*

360

transition to white noise → white noise

Elect. 1

transition to white noise → white noise

Elect. 8

**S** Electronics  
Interlude VI

364

01'15"

Sop. Sax. 1

110

**T**

365

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

noise      Saxophone 4  
MASKED

noise      Saxophone 2  
MASKED

noise      Saxophone 3  
MASKED

noise      Saxophone 3  
MASKED

noise      Saxophone 4  
MASKED

370

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

The musical score consists of eight staves, each with a treble clef and four lines. The top four staves are for Soprano Saxophones (Sop. Sax. 1, 2, 3, 4), and the bottom four are for Electric Instruments (Elect. 1, 2, 3, 4, 5, 6, 7, 8). The score begins at measure 370. The first four staves (Sop. Sax. 1-4) play eighth-note patterns with various dynamics (f, p, <f>) and grace notes. The electric staves (Elect. 1-8) feature sustained sine tones at different pitches. Specific markings include 'sine tone' above the electric staves and 'Saxophone 1 MASKED' above the first electric staff. The score concludes with a final dynamic marking of <f>.

378

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

(pure tone)

Elect. 1

Elect. 2

Elect. 3

sine tone

Saxophone 3 MASKED

Elect. 4

Elect. 5

sine tone

Saxophone 3 MASKED

Elect. 6

sine tone

Saxophone 4 MASKED

Elect. 7

sine tone

Saxophone 4 MASKED

Elect. 8

grace notes are to be played with the timbral trill key

113

384

Sop. Sax. 1

*f*

grace notes are to be played with the timbral trill key

Sop. Sax. 2

*f* *3*

grace notes are to be played with the timbral trill key

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

*pp*

Elect. 3

+ of a rougher tone

*p*

Elect. 4

+ of a rougher tone

*mp*

Elect. 5

+ of a rougher tone

*mf*

Elect. 6

Elect. 7

Elect. 8

This page contains ten staves of musical notation. The staves are labeled from top to bottom: Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4, Elect. 1, Elect. 2., Elect. 3, Elect. 4, Elect. 5, Elect. 6, Elect. 7, and Elect. 8. The notation includes various musical elements: grace notes (indicated by small circles with stems), dynamic markings (f, pp, p, mp, mf), and performance instructions (e.g., "grace notes are to be played with the timbral trill key", "+ of a rougher tone"). Measure numbers 384 and 113 are present at the top of the page. The music consists of six measures per staff.

390

Sop. Sax. 1

Sop. Sax. 2

grace notes are to be played with the timbral trill key

Sop. Sax. 3

f

Sop. Sax. 4

f

Elect. 1

Elect. 2

Elect. 3

p

Elect. 4

pp

Elect. 5

Elect. 6

f

Elect. 7

+ of a rougher tone

ff

Elect. 8

+ of a rougher tone

fff

396

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3  $\diamond < f$

Sop. Sax. 4  $\diamond$

grace notes are to be played with the timbral trill key

*f*

Elect. 1 + of a rougher tone  $fff$

Elect. 2 + of a rougher tone  $ffff$

Elect. 3  $\diamond$

Elect. 4 + of a rougher tone  $\diamond$

Elect. 5 + of a rougher tone  $mp$   $\diamond$

Elect. 6 + of a rougher tone  $mf$   $\diamond$

Elect. 7 + of a rougher tone  $f$   $\diamond$

Elect. 8 + of a rougher tone  $ff$   $\diamond$

116

403

Sop. Sax. 1      simile  
                        f 3—

Sop. Sax. 2      o < f

Sop. Sax. 3      o < f

Sop. Sax. 4      o < f

Elect. 1

Elect. 2

Elect. 3      pp

Elect. 4      p + of a rougher tone

Elect. 5      mp + of a rougher tone

Elect. 6

Elect. 7

Elect. 8

117

407

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

*simile*

*f*

*simile*

*f*

*simile*

*f*

*+ of a rougher tone*

*mf*

*+ of a rougher tone*

*f*

Musical score page 118 featuring ten staves of music. The staves are grouped into two sections by a vertical bar line.

**Top Section (Left of Bar Line):**

- Sop. Sax. 1:** Treble clef, key signature of one sharp. Dynamics:  $\text{ff}$ ,  $f$ .
- Sop. Sax. 2:** Treble clef, key signature of one sharp. Dynamics:  $f$ .
- Sop. Sax. 3:** Treble clef, key signature of one sharp. Dynamics:  $f$ .
- Sop. Sax. 4:** Treble clef, key signature of one sharp. Dynamics:  $f$ .

**Bottom Section (Right of Bar Line):**

- Elect. 1:** Treble clef, key signature of one sharp. Dynamics:  $fff$ . Text: "+ of a rougher tone".
- Elect. 2:** Treble clef, key signature of one sharp. Dynamics:  $ffff$ . Text: "+ of a rougher tone".
- Elect. 3:** Treble clef, key signature of one sharp.
- Elect. 4:** Treble clef, key signature of one sharp.
- Elect. 5:** Treble clef, key signature of one sharp.
- Elect. 6:** Treble clef, key signature of one sharp.
- Elect. 7:** Treble clef, key signature of one sharp. Dynamics:  $f$ .
- Elect. 8:** Treble clef, key signature of one sharp. Dynamics:  $ff$ .

Measure numbers are present above the first four staves of each section, indicating the progression of the music.

413

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score page contains eight staves of music. The top four staves are for soprano saxophones (Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4), and the bottom four are for electric instruments (Elect. 1, Elect. 2, Elect. 3, Elect. 4). The music is in common time (indicated by '4').  
Staff 1 (Sop. Sax. 1): Measures 1-2 show sustained notes with slurs and dynamic 'f'. Measure 3 starts with a grace note and a dynamic 'f'.  
Staff 2 (Sop. Sax. 2): Measures 1-2 are rests. Measure 3 starts with a grace note and a dynamic 'f'.  
Staff 3 (Sop. Sax. 3): Measures 1-2 show eighth-note patterns with slurs and dynamic 'p'. Measure 3 starts with a grace note and a dynamic '6'.  
Staff 4 (Sop. Sax. 4): Measures 1-2 show eighth-note patterns with slurs and dynamic 'p'. Measures 3-4 start with grace notes and dynamics '3' and '5'.  
Staff 5 (Elect. 1): All measures are rests.  
Staff 6 (Elect. 2): Measures 1-2 are rests. Measure 3 starts with a grace note and a dynamic 'f'.  
Staff 7 (Elect. 3): Measures 1-2 are rests. Measure 3 starts with a grace note and a dynamic 'pp'.  
Staff 8 (Elect. 4): Measures 1-2 are rests. Measures 3-4 start with grace notes and dynamics '3' and 'p'.  
Staff 9 (Elect. 5): All measures are rests.  
Staff 10 (Elect. 6): All measures are rests.  
Staff 11 (Elect. 7): All measures are rests.  
Staff 12 (Elect. 8): All measures are rests.

120

416

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5 + of a rougher tone *mp*

Elect. 6

Elect. 7

Elect. 8

This musical score page contains ten staves of music. The top four staves are for soprano saxophones (Sop. Sax. 1, 2, 3, 4), and the bottom six are for electric instruments (Elect. 1 through Elect. 8). The tempo is marked as 120 BPM. Measure 416 begins with a rest. Sop. Sax. 1 and Sop. Sax. 3 play eighth-note patterns with dynamic *f*. Elect. 3 has a sustained note with a dynamic *o-o*. Elect. 5 has a sustained note with dynamic *mp* and a note described as "+ of a rougher tone". The staves are separated by vertical bar lines.

Musical score page 121 featuring eight staves of music for various instruments. The staves are arranged vertically from top to bottom as follows:

- Sop. Sax. 1: Starts with a sixteenth-note pattern (419) followed by a rest. Includes a dynamic marking *5*.
- Sop. Sax. 2: Rests throughout the measure.
- Sop. Sax. 3: Starts with a sustained note followed by a sixteenth-note pattern. Includes dynamics *3* and *5*.
- Sop. Sax. 4: Starts with a sixteenth-note pattern (6). Includes dynamics *f*.
- Elect. 1: Rests throughout the measure.
- Elect. 2: Rests throughout the measure.
- Elect. 3: Rests throughout the measure.
- Elect. 4: Starts with a sixteenth-note pattern followed by a rest. Includes a dynamic marking *mf*.
- Elect. 5: Starts with a sustained note followed by a sixteenth-note pattern. Includes a dynamic marking *p*.
- Elect. 6: Starts with a sustained note followed by a sixteenth-note pattern. Includes dynamics *mf* and *+ of a rougher tone*.
- Elect. 7: Starts with a sustained note followed by a sixteenth-note pattern. Includes dynamics *f* and *+ of a rougher tone*.
- Elect. 8: Rests throughout the measure.

122

421

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1 + of a rougher tone *fff*

Elect. 2 + of a rougher tone *ffff*

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8 + of a rougher tone *ff*

The musical score consists of ten staves, each with a clef (G or F) and a key signature of one sharp. The time signature is common time (indicated by '4'). Measure 421 begins with a rest followed by a dynamic 'f'. The soprano saxophones (Sop. Sax. 1 and 2) play eighth-note patterns with grace notes. The soprano saxophones (Sop. Sax. 3 and 4) play sustained notes. The electronic tracks (Elect. 1 and 2) play sustained notes with dynamics 'ffff'. The other electronic tracks (Elect. 3 through 8) are silent. The bassoon (Bassoon) is also silent.

**U**  $\text{♩} = 60$

123

424

Sop. Sax. 1       $f$       6      6       $p$

Sop. Sax. 2       $f$       5      5       $p$

Sop. Sax. 3       $f$       —      —       $p$

Sop. Sax. 4       $f$       3      3       $p$

Elect. 1       $f$        $\ddot{\text{v}}$        $\ddot{\text{v}}$

Elect. 2       $f$        $\ddot{\text{v}}$        $\ddot{\text{v}}$

Elect. 3       $f$        $\ddot{\text{v}}$        $\ddot{\text{v}}$

Elect. 4       $f$        $\ddot{\text{v}}$        $\ddot{\text{v}}$

Elect. 5       $f$        $\ddot{\text{v}}$        $\ddot{\text{v}}$

Elect. 6       $f$        $\ddot{\text{v}}$        $\ddot{\text{v}}$

Elect. 7       $f$        $\ddot{\text{v}}$        $\ddot{\text{v}}$

Elect. 8       $f$        $\ddot{\text{v}}$        $\ddot{\text{v}}$

This musical score page contains ten staves. The top four staves are for soprano saxophones (Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4), each in common time (indicated by '4') and treble clef (indicated by a 'G'). The dynamics for Sop. Sax. 1 are 'f' followed by two measures of '6' (indicated by a wavy line) and a dynamic of 'p'. The dynamics for Sop. Sax. 2 are 'f' followed by two measures of '5' and a dynamic of 'p'. The dynamics for Sop. Sax. 3 are 'f' followed by a measure of '—' and a dynamic of 'p'. The dynamics for Sop. Sax. 4 are 'f' followed by two measures of '3' and a dynamic of 'p'. The bottom six staves are for electric instruments (Elect. 1 through Elect. 8), also in common time and treble clef. Each electric instrument staff begins with a dynamic of 'f' followed by a measure of rest (indicated by a vertical bar with a dot) and a measure of 'x' (indicated by a vertical bar with a cross). The electric instruments are numbered 1 through 8 from top to bottom.

repetition of phrases are always to be accented on the first note



for now:

continue with this dynamic motion  
for the rest of this section

repetition of phrases are always to be accented on the first note



for now:

continue with this dynamic motion for the rest of this section

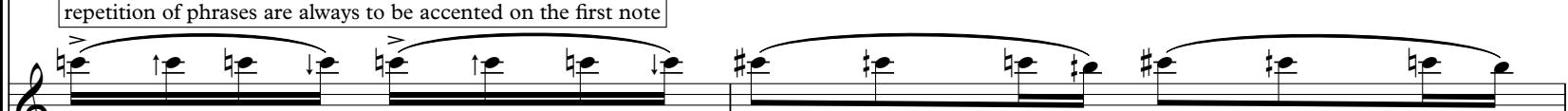
repetition of phrases are always to be accented on the first note



for now:

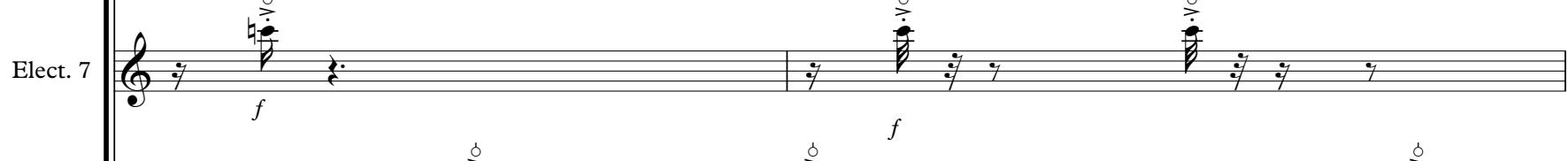
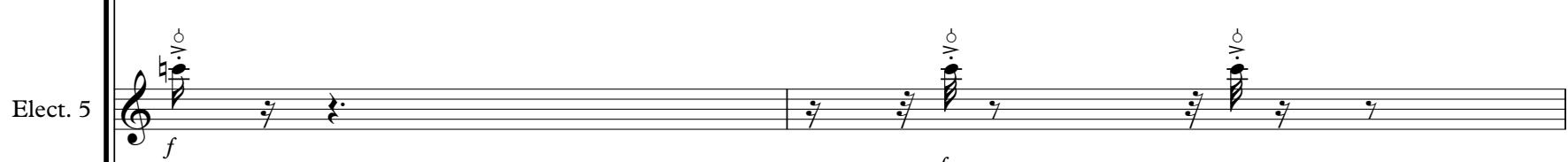
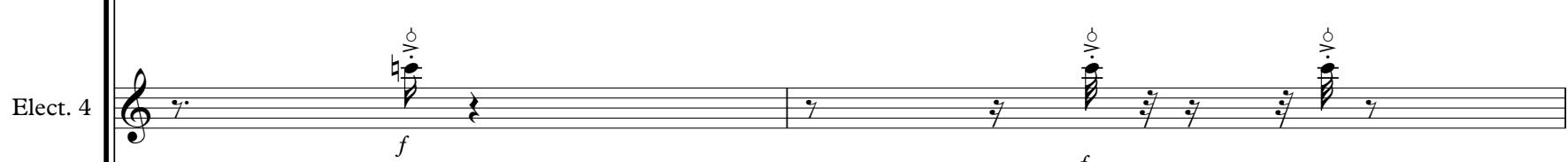
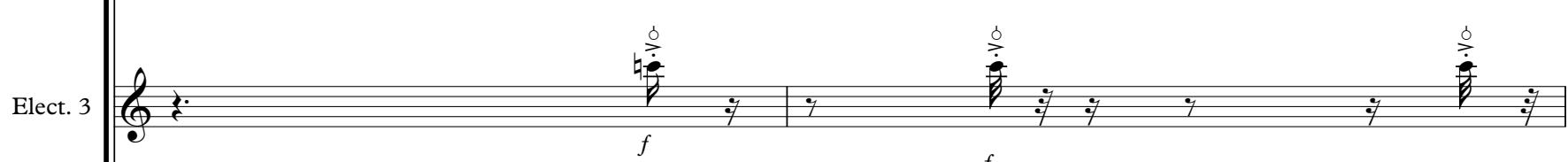
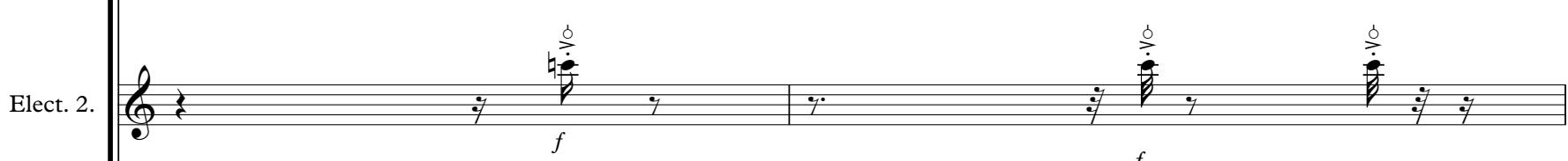
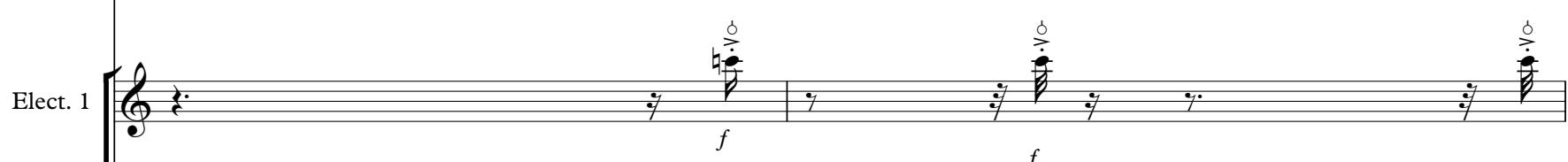
continue with this dynamic motion for the rest of this section

repetition of phrases are always to be accented on the first note



for now:

continue with this dynamic motion for the rest of this section



Musical score page 125 featuring eight staves of music. The top four staves are for Soprano Saxophone (Sop. Sax.) and the bottom four are for Electric instruments (Elect.). The score is divided into measures by vertical bar lines.

**Sop. Sax. 1:** Measures 427-428. Measure 427: 5 notes. Measure 428: 5 notes. Measure 429: 5 notes. Measure 430: 5 notes.

**Sop. Sax. 2:** Measures 427-428. Measure 427: 6 notes. Measure 428: 6 notes. Measure 429: 3 notes. Measure 430: 3 notes.

**Sop. Sax. 3:** Measures 427-428. Measure 427: 5 notes. Measure 428: 5 notes. Measure 429: 5 notes. Measure 430: 5 notes.

**Sop. Sax. 4:** Measures 427-428. Measure 427: 5 notes. Measure 428: 5 notes. Measure 429: 3 notes. Measure 430: 3 notes.

**Elect. 1:** Measures 427-428. Measure 427: Rest. Measure 428: 2 eighth-note chords. Measure 429: 2 eighth-note chords. Measure 430: 2 eighth-note chords.

**Elect. 2:** Measures 427-428. Measure 427: Rest. Measure 428: 2 eighth-note chords. Measure 429: 2 eighth-note chords. Measure 430: 2 eighth-note chords.

**Elect. 3:** Measures 427-428. Measure 427: Rest. Measure 428: 2 eighth-note chords. Measure 429: 2 eighth-note chords. Measure 430: 2 eighth-note chords.

**Elect. 4:** Measures 427-428. Measure 427: Rest. Measure 428: 2 eighth-note chords. Measure 429: Rest. Measure 430: 2 eighth-note chords.

**Elect. 5:** Measures 427-428. Measure 427: Rest. Measure 428: 2 eighth-note chords. Measure 429: Rest. Measure 430: Rest.

**Elect. 6:** Measures 427-428. Measure 427: Rest. Measure 428: 2 eighth-note chords. Measure 429: Rest. Measure 430: Rest.

**Elect. 7:** Measures 427-428. Measure 427: Rest. Measure 428: 2 eighth-note chords. Measure 429: Rest. Measure 430: Rest.

**Elect. 8:** Measures 427-428. Measure 427: Rest. Measure 428: 2 eighth-note chords. Measure 429: Rest. Measure 430: Rest.

429

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score page contains two systems of music. The top system, labeled '429', consists of four staves for soprano saxophones (Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4). The soprano saxophones play eighth-note patterns with specific fingerings indicated below the notes: '5' appears twice for Sop. Sax. 1, once for Sop. Sax. 2, and twice for Sop. Sax. 3; '6' appears twice for Sop. Sax. 2; and '3' appears once for Sop. Sax. 3 and twice for Sop. Sax. 4. The bottom system consists of eight staves for electric instruments (Elect. 1 through Elect. 8). Each electric instrument part features a sustained note with a vertical bar and a circled dot above it, followed by a dynamic marking 'f'.

431

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score page contains two sections of music. The top section, labeled '431', consists of four staves for 'Sop. Sax. 1', 'Sop. Sax. 2', 'Sop. Sax. 3', and 'Sop. Sax. 4'. Each staff features a treble clef, a key signature of one sharp, and a common time signature. The notation includes vertical stems with small horizontal dashes pointing up or down, and dynamic markings '5', '6', and '3' placed below specific groups of notes. The bottom section, labeled '127', consists of eight staves for 'Elect. 1' through 'Elect. 8'. Each staff has a treble clef and a common time signature. The notation features vertical stems with small horizontal dashes pointing up or down, and dynamic markings 'f' placed below specific groups of notes. In both sections, the music is divided into measures by vertical bar lines.

128

433

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

Musical score page 129, system 435.

The score consists of two groups of staves:

- Sop. Sax. 1-4:** Four staves in treble clef. Measures 1-4 show sixteenth-note patterns with counts 5, 5, 3, and 3 below each measure. Measures 5-8 show sixteenth-note patterns with counts 6, 6, 6, and 6 below each measure. Measure 9 shows sixteenth-note patterns with counts 5 and 5 below each measure.
- Elect. 1-8:** Eight staves in treble clef. Measures 1-4 show eighth-note patterns with dynamic *f* and counts 3, 3, 3, and 3 below each measure. Measures 5-8 show eighth-note patterns with dynamic *f* and counts 3, 3, 3, and 3 below each measure.

130

437

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score consists of eight staves, each with a treble clef and four lines. The top four staves are labeled 'Sop. Sax. 1', 'Sop. Sax. 2', 'Sop. Sax. 3', and 'Sop. Sax. 4'. The bottom four staves are labeled 'Elect. 1', 'Elect. 2', 'Elect. 3', 'Elect. 4', 'Elect. 5', 'Elect. 6', 'Elect. 7', and 'Elect. 8'. The score is numbered '437' at the top left. Measure numbers '5', '5', '3', and '6' are placed under the first, second, third, and fourth staves respectively. Measure numbers 'V.' are placed under the fifth, sixth, seventh, and eighth staves. Measures are indicated by vertical bar lines. The music is set to a tempo of 130.

Musical score page 131 featuring eight staves of music. The top four staves are for Soprano Saxophone (Sop. Sax.) and the bottom four are for Electric instruments (Elect.). The score is numbered 438.

**Sop. Sax. 1:** Staff 1, Treble clef, key signature of one sharp (F#). Measures show a continuous pattern of eighth-note pairs with various dynamics (e.g.,  $f$ ,  $p$ ,  $mf$ ,  $mp$ ) and articulations (e.g., upbow, downbow).

**Sop. Sax. 2:** Staff 2, Treble clef, key signature of one sharp (F#). Measures show a continuous pattern of eighth-note pairs with dynamics and articulations.

**Sop. Sax. 3:** Staff 3, Treble clef, key signature of one sharp (F#). Measures show a continuous pattern of eighth-note pairs with dynamics and articulations. Measure 6 contains a measure repeat sign.

**Sop. Sax. 4:** Staff 4, Treble clef, key signature of one sharp (F#). Measures show a continuous pattern of eighth-note pairs with dynamics and articulations. Measure 5 contains a measure repeat sign.

**Elect. 1:** Staff 5, Treble clef, key signature of one sharp (F#). Measures show eighth-note pairs with dynamics ( $f \rightarrow p$ ) and grace notes.

**Elect. 2:** Staff 6, Treble clef, key signature of one sharp (F#). Measures show eighth-note pairs with dynamics ( $f \rightarrow p$ ) and grace notes.

**Elect. 3:** Staff 7, Treble clef, key signature of one sharp (F#). Measures show eighth-note pairs with dynamics ( $f \rightarrow p$ ) and grace notes.

**Elect. 4:** Staff 8, Treble clef, key signature of one sharp (F#). Measures show eighth-note pairs with dynamics ( $f \rightarrow p$ ) and grace notes.

**Elect. 5:** Staff 9, Treble clef, key signature of one sharp (F#). Measures show eighth-note pairs with dynamics ( $f \rightarrow p$ ) and grace notes.

**Elect. 6:** Staff 10, Treble clef, key signature of one sharp (F#). Measures show eighth-note pairs with dynamics ( $f \rightarrow p$ ) and grace notes.

**Elect. 7:** Staff 11, Treble clef, key signature of one sharp (F#). Measures show eighth-note pairs with dynamics ( $f \rightarrow p$ ) and grace notes.

**Elect. 8:** Staff 12, Treble clef, key signature of one sharp (F#). Measures show eighth-note pairs with dynamics ( $f \rightarrow p$ ) and grace notes.

439

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

6

6

Elect. 1

>*p*

*f*

Elect. 2.

*f* ————— *p*

Elect. 3

*f* ————— *p*

Elect. 4

*f* ————— *p*

Elect. 5

*f* ————— *p*

Elect. 6

*f* ————— *p*

Elect. 7

*f* ————— *p*

Elect. 8

*f* ————— *p*

This musical score page contains two systems of music. The first system, starting at measure 439, consists of four staves of soprano saxophone (Sop. Sax. 1, 2, 3, 4) in G major (one sharp). The second system begins with measure 6, featuring eight staves of electric instruments (Elect. 1 through Elect. 8) in G major (one sharp). The soprano saxophone parts play eighth-note patterns with various dynamics (e.g., forte, piano). The electric instrument parts feature sustained notes with dynamic markings like >p, f, and p. Measure numbers 6 and 6 are placed between the soprano and electric staves.

440

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

6

6

5

5

Elect. 1

:p

f = p

Elect. 2.

f = p

f = p

Elect. 3

f = p

f = p

Elect. 4

f = p

f = p

Elect. 5

f = p

f = p

Elect. 6

f = p

f = p

Elect. 7

f = p

f = p

Elect. 8

f = p

f =

This musical score page contains two groups of eight staves each. The top group consists of four soprano saxophone staves (Sop. Sax. 1, 2, 3, 4) and the bottom group consists of four electric instrument staves (Elect. 1, 2, 3, 4). The music is set in common time at a tempo of 440 BPM. The key signature is one sharp. Measure 1 shows Sop. Sax. 1, 2, and 3 playing eighth-note patterns with grace marks above the notes. Sop. Sax. 4 has a sustained note. Measures 2 and 3 show Sop. Sax. 1, 2, 3, and 4 playing eighth-note patterns with grace marks. Measure 4 starts with a dynamic of :p for Elect. 1, followed by f = p. Elect. 2, 3, and 4 follow with f = p dynamics. Measures 5 and 6 show Sop. Sax. 1, 2, 3, and 4 playing eighth-note patterns with grace marks. Measures 7 and 8 show Sop. Sax. 1, 2, 3, and 4 playing eighth-note patterns with grace marks. The electric instruments play sixteenth-note patterns with grace marks. Measure 9 starts with f = p for Elect. 1, followed by f = for the others. Measures 10 and 11 show Sop. Sax. 1, 2, 3, and 4 playing eighth-note patterns with grace marks. The electric instruments play sixteenth-note patterns with grace marks. Measure 12 ends with f = for all instruments.

441

Sop. Sax. 1

5

Sop. Sax. 2

Sop. Sax. 3

6

Sop. Sax. 4

6

Elect. 1

*f* — *p*

Elect. 2

*f* — *p*

Elect. 3

*f* — *p*

Elect. 4

*f* — *p*

Elect. 5

*f* —

Elect. 6

*f* — *p*

Elect. 7

*f* — *p*

Elect. 8

*>p*

*f* — *p*

This musical score page contains eight staves of music. The top four staves are for soprano saxophones (Sop. Sax. 1, 2, 3, 4), and the bottom four are for electric instruments (Elect. 1, 2, 3, 4). The music is divided into two measures per staff. Measure 1 starts with a dynamic of *f*, followed by a crescendo line to *p*. Measures 2 starts with a dynamic of *>p*, followed by a crescendo line to *p*. Various performance instructions like '5' and '6' are placed below the staves. The notation includes treble clefs, key signatures, and rests.

155

442

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

6

6

Elect. 1

*f*  $\equiv$  *p*

Elect. 2

*f*  $\equiv$  *p*

Elect. 3

*f*  $\equiv$  *p*

Elect. 4

*f*  $\equiv$  *p*

Elect. 5

:*p*

*f*  $\equiv$  *p*

*f*  $\equiv$  *p*

Elect. 6

*f*  $\equiv$  *p*

*f*  $\equiv$  *p*

Elect. 7

*f*  $\equiv$  *p*

*f*  $\equiv$  *p*

Elect. 8

*f*  $\equiv$  *p*

*f*  $\equiv$  *p*

443

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

444

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

6

6

Elect. 1

$\text{f} \equiv \text{p}$

Elect. 2

$\text{f} \equiv \text{p}$

$\text{f} \equiv \text{p}$

Elect. 3

$\text{f} \equiv \text{p}$

$\text{f} \equiv \text{p}$

Elect. 4

$\text{f} \equiv \text{p}$

$\text{f} \equiv \text{p}$

Elect. 5

$\text{f} \equiv \text{p}$

$\text{f} \equiv \text{p}$

Elect. 6

$\text{f} \equiv \text{p}$

$\text{f} \equiv \text{p}$

Elect. 7

$\text{f} \equiv \text{p}$

$\text{f} \equiv \text{p}$

Elect. 8

$\text{f} \equiv \text{p}$

445

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

Musical score page 139 featuring eight staves of music. The top four staves are for Soprano Saxophone (Sop. Sax.) and the bottom four are for Electronic instruments (Elect.). The score is in common time (indicated by '446' at the beginning of each staff).

**Sop. Sax. 1:** Playing eighth-note patterns with grace marks above the notes.

**Sop. Sax. 2:** Playing eighth-note patterns with grace marks above the notes. Measures 5 and 6 are indicated below the staff.

**Sop. Sax. 3:** Playing eighth-note patterns with grace marks above the notes. Measure 6 is indicated below the staff.

**Sop. Sax. 4:** Playing eighth-note patterns with grace marks above the notes.

**Elect. 1:** Playing eighth-note patterns with grace marks above the notes. Dynamics:  $f \longrightarrow p$  and  $f \longrightarrow$ .

**Elect. 2:** Playing eighth-note patterns with grace marks above the notes. Dynamics:  $f \longrightarrow p$  and  $f \longrightarrow p$ .

**Elect. 3:** Playing eighth-note patterns with grace marks above the notes. Dynamics:  $f \longrightarrow p$  and  $f \longrightarrow p$ .

**Elect. 4:** Playing eighth-note patterns with grace marks above the notes. Dynamics:  $f \longrightarrow p$  and  $f \longrightarrow p$ .

**Elect. 5:** Playing eighth-note patterns with grace marks above the notes. Dynamics:  $p$ ,  $f \longrightarrow p$ ,  $f \longrightarrow p$ , and  $f \longrightarrow p$ .

**Elect. 6:** Playing eighth-note patterns with grace marks above the notes. Dynamics:  $f \longrightarrow p$  and  $f \longrightarrow p$ .

**Elect. 7:** Playing eighth-note patterns with grace marks above the notes. Dynamics:  $f \longrightarrow p$  and  $f \longrightarrow p$ .

**Elect. 8:** Playing eighth-note patterns with grace marks above the notes. Dynamics:  $f \longrightarrow p$  and  $f \longrightarrow p$ .

140

447

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This page contains eight staves of musical notation. The top four staves are for soprano saxophones (Sop. Sax. 1, 2, 3, 4), each with a treble clef and a key signature of one sharp. The bottom four staves are for electric instruments (Elect. 1, 2, 3, 4), also with a treble clef and a key signature of one sharp. Measure numbers 5 and 6 are indicated above the staves. Various dynamics are marked, including >p, f, and crescendos. Measure 5 shows sustained notes with grace marks. Measure 6 shows eighth-note patterns with grace marks.

448

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score page contains eight staves of music. The top four staves are for soprano saxophones (Sop. Sax. 1, 2, 3, 4), each with a treble clef and a key signature of one sharp. The bottom four staves are for electric instruments (Elect. 1, 2, 3, 4), each with a treble clef and a key signature of one sharp. Measure 448 begins with a dynamic of *f*. The first two measures of each section (Sop. Sax. and Elect.) consist of six eighth-note patterns. Measures 5 and 6 show more complex patterns. The electric staves feature slurs and grace notes. Various dynamics are indicated throughout, including *p*, *f*, and *f == p*. Measure 8 concludes with a dynamic of *f*.



145

Sop. Sax. 1      Sop. Sax. 2      Sop. Sax. 3      Sop. Sax. 4

Elect. 1      Elect. 2.      Elect. 3      Elect. 4      Elect. 5      Elect. 6      Elect. 7      Elect. 8

This page contains eight staves of musical notation. The top four staves are for soprano saxophones (Sop. Sax. 1, 2, 3, 4), each with a treble clef and a key signature of one sharp. The bottom four staves are for electric instruments (Elect. 1, 2, 3, 4), each with a treble clef and a key signature of one sharp. Measure numbers 6 and 5 are indicated above the first two staves respectively. Various dynamic markings such as  $f \geqslant p$ ,  $p$ , and  $\circlearrowleft$  are placed below the staves. Measure 6 starts with sixteenth-note patterns on the soprano saxophones, followed by eighth-note patterns. Measures 7 and 8 show eighth-note patterns on the soprano saxophones and sixteenth-note patterns on the electric instruments. Measure 9 concludes with eighth-note patterns on the soprano saxophones and sixteenth-note patterns on the electric instruments.

451

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

$\gg p$

$f == p$

$f > p$

$f ==$

$f > p$

$f > p$

$f > p$

$f == p$

$f > p$

$f > p$

$f == p$

$f > p$

$f > p$

$f == p$

$f > p$

$f ==$

145

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

453

455

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

The musical score consists of sixteen staves, grouped into two sets of eight. The top set of eight staves is for Soprano Saxophone (Sop. Sax.) and the bottom set is for Electric instrument (Elect.). Each staff has a treble clef and a key signature of one sharp (F#). Measure 455 begins with Sop. Sax. 1 playing a continuous eighth-note pattern. Measures 456 and 457 show the other seven sopranos and electric instruments joining in with similar patterns. The electric instruments (labeled 1 through 8) play eighth-note patterns with grace notes and dynamic markings such as *f* (forte) and *p* (piano). The score uses a mix of standard musical notation and rhythmic shorthand, including vertical stems and dots above or below the notes.

457

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

6 6

5 5 5 5

6 6

5 5 5 5

*f* — *p*      *f* — *p*      *f* =

*f* — *p*      *f* — *p*      *f* —

*f* — *p*      *f* — *p*      *f* =

*f* — *p*      *f* — *p*      *f* — *p*

*p*      *f* — *p*      *f* — *p*      *f* — *p*

*f* — *p*      *f* — *p*      *f* — *p*

*f* — *p*      *f* — *p*      *f* — *p*

*f* — *p*      *f* — *p*      *f* =

*f* — *p*      *f* — *p*      *f* =

*f* — *p*      *f* — *p*      *f* =

459

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

5 5

5 5

5 5

5 5

*p* *f*

*>p* *f* *p*

*p* *f*

*f* *p*

*f* *p*

*f* *p*

*f* *p*

*f* *p*

*f* *p*

149

460

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

462

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

Measure 462:

- Sop. Sax. 1: 5
- Sop. Sax. 2: 5
- Sop. Sax. 3: 5
- Sop. Sax. 4: 6
- Elect. 1: f — p
- Elect. 2.: f — p
- Elect. 3: f — p
- Elect. 4: f — p f — p
- Elect. 5: =p f — p
- Elect. 6: f — p
- Elect. 7: =p f — p f — p
- Elect. 8: f — p

Measure 463:

- Sop. Sax. 1: 5
- Sop. Sax. 2: 5
- Sop. Sax. 3: 5
- Sop. Sax. 4: 5
- Elect. 1: f — p
- Elect. 2.: f — p
- Elect. 3: f — p
- Elect. 4: f — p
- Elect. 5: f — p
- Elect. 6: f — p
- Elect. 7: f — p
- Elect. 8: f — p

151

464

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

465

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

5 5 5 5

5 5

6

p f p

f p

p f p

f p

f

p

f

p

f

f

p f p

f

f

p f p

466

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score page contains eight staves of music. The top four staves are for soprano saxophones (Sop. Sax. 1, 2, 3, 4), and the bottom four are for electric instruments (Elect. 1, 2, 3, 4). The music begins with a dynamic of *f*, followed by a decrescendo to *p*. The next section starts with a dynamic of *p*, followed by a crescendo to *f*. The score concludes with another dynamic of *f*. Measure numbers 5 and 7 are indicated above the staves.

467

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

5 5 5 5

5 5

5 5 5 5

5 5 5 5

*p* *f*

*f*

*p* *f*

*f*

*p* *f*

*f* *p*

*p* *f*

*f* *p*

*f* *p*

*p* *f*

*f* *p*

468

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

5 5 6

p f

p f p

p f

f p f p

f p

f p

f p

f p

f p

f p

f p

f p

f p

469

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

Dynamics: *p*, *f*, *ff*

151

470

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

471

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

5 5 5 5

5 5

5 5

5 5

6

p f

f

p f

f p

f p

p f p

f p

p f p

472

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score page contains eight staves of music. The top four staves are for soprano saxophones (Sop. Sax. 1, 2, 3, 4), each with a treble clef and a key signature of one sharp. The bottom four staves are for electric instruments (Elect. 1, 2, 3, 4), each with a treble clef and a key signature of one sharp. Measure 472 starts with Sop. Sax. 1 and Elect. 1. Measure 473 continues with Sop. Sax. 2 and Elect. 2. Measures 474 and 475 continue with Sop. Sax. 3 and Elect. 3. Measures 476 and 477 continue with Sop. Sax. 4 and Elect. 4. Measures 478 and 479 continue with Elect. 5 and Elect. 6. Measures 480 and 481 continue with Elect. 7 and Elect. 8. Various dynamics are indicated throughout, including *f* (fortissimo), *p* (pianissimo), and crescendo/decrescendo markings.

160

473

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

474

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

6

5 5 5 5

5 5

6

*f* ————— *p* *f* —————

*f* ————— *p*

*f* ————— *p* *f* —————

*f* ————— *p*

*p* *f* ————— *p* *f* —————

*p* *f* ————— *p* *f* —————

*p* *f* ————— *p* *f* —————

*f* ————— *p* *f* —————

475

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

7

6

5

7

p

f

ff

p

476

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

6

5 5 5 5

5 5 5 5

p f

p f p

p f

f p

f p

f p

f p

f p

f p

f p

f p

f p

477

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score page contains eight staves of music. The top four staves are for Soprano Saxophone (Sop. Sax.) and the bottom four are for Electric instruments (Elect.). The music is in common time and includes various dynamics such as *p* (pianissimo), *f* (fortissimo), and crescendos. Performance instructions like 'v.v.' (volume variation) and 'z' (slur) are also present. The notation consists of standard musical notes and rests on five-line staves.

478 165

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

6

5 5 5 5

5 5 5 5

7 7 7

f —————— p f ——————

p f —————— p f ——————

479

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

Measure 479: Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4 play eighth-note patterns. Elect. 1, Elect. 2., Elect. 3., Elect. 4., Elect. 5., Elect. 6., Elect. 7., Elect. 8. rest.

Measure 480: Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4 play eighth-note patterns. Elect. 1, Elect. 2., Elect. 3., Elect. 4., Elect. 5., Elect. 6., Elect. 7., Elect. 8. rest.

Measure 481: Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4 play eighth-note patterns. Elect. 1, Elect. 2., Elect. 3., Elect. 4., Elect. 5., Elect. 6., Elect. 7., Elect. 8. rest.

Measure 482: Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4 play eighth-note patterns. Elect. 1, Elect. 2., Elect. 3., Elect. 4., Elect. 5., Elect. 6., Elect. 7., Elect. 8. rest.

Measure 483: Sop. Sax. 1, Sop. Sax. 2, Sop. Sax. 3, Sop. Sax. 4 play eighth-note

480 167

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score page contains two groups of eight staves each. The top group consists of four soprano saxophone staves (Sop. Sax. 1, 2, 3, 4) and the bottom group consists of four electric instrument staves (Elect. 1, 2, 3, 4). The soprano saxophone parts are primarily composed of eighth-note patterns with various accidentals (sharps and flats) and rests. The electric instrument parts feature sustained notes with grace notes and dynamic markings such as *p* (pianissimo), *f* (fortissimo), and *v.v.* (vibrato). Measure numbers 480 and 167 are indicated at the top right. Measure numbers 6, 5, and 5 are placed below the soprano saxophone staves, while measure numbers 5 and 5 are placed below the electric instrument staves.

481

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

p      f      p

f      p

p      f      p

f      p

f      p

p

f

p

f

f

p

f

f

p

f

169

482

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

483

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

6 6 6 6

6 6 6 6

5 5 5 5

6 6

5 5

p f

f

p f

f p

>p

p f p

p f p

p f

484

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

5 6 5 6 5 6 5 6

<math>p</math> <math>f</math>

<math>p</math> <math>f</math>

<math>p</math> <math>f</math>

<math>f</math> <math>p</math>

<math>f</math> <math>p</math>

<math>f</math> <math>p</math>

<math>f</math> <math>p</math>

<math>> p</math> <math>f</math> <math>p</math> <math>f</math>

485

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

This musical score page contains eight staves of music. The top four staves are for soprano saxophones (Sop. Sax. 1, 2, 3, 4), each with a treble clef and a key signature of one sharp. The bottom four staves are for electric instruments (Elect. 1, 2, 3, 4), also with a treble clef and a key signature of one sharp. Measure 485 begins with Sop. Sax. 1 playing a sixteenth-note pattern. Elect. 1 has a dynamic of  $p$ . Elect. 2 has a dynamic of  $>p$ , followed by  $f$  and then  $p$ . Elect. 3 has a dynamic of  $p$ . Elect. 4 has a dynamic of  $f$ . Elect. 5 has a dynamic of  $f$ . Elect. 6 has a dynamic of  $p$ , followed by  $f$ . Elect. 7 has a dynamic of  $f$ . Elect. 8 has a dynamic of  $p$ . Various performance markings are present, including slurs, grace notes, and dynamic changes.

486

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

487

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

8

6

5

6

5

5

5

f

p

f

f

p

f

p

f

p

f

p

f

p

f

488

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

489

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

5 5 5 5

6 5

8 6

6 6

*p*

*f* *p*

*p*

*f*

*p*

*f*

*p*

*f*

*p*

*f*

*p*

*f*

*p*

490

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

6 6

5 5 5 5

5 6

6 6 6 6

f

f

f

p f

f

p f

f

p f

f

p

491

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

5 5

6 6

5 5 5

6 5

p f

p f

>p f

p f

p

p

p

f

492 #

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

5 6

5 5

6 6

6 5 5

p

p f

p f

p f

f

f

f

f

f

f

f

p f

493

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

5 5 5

6 6 6 6

5 5

6 6

f p

p f

p

>p f

p

f

p

f

p

f

p

494

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

6 6

5 6

6 6 6 6

5 5 5 5

f

p f

f

f

p f

p

f

p

f

p

f

p

495

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

6 6 6 6

5 5 5

6 5

6 6

p f

p f

p f

p f

f p

p

f

f

f

496 # Sop. Sax. 1   
5 5

Sop. Sax. 2   
6 6

Sop. Sax. 3   
6 5 5

Sop. Sax. 4   
5 6

Elect. 1   
p

Elect. 2   
p

Elect. 3   
p f

Elect. 4   
p f

Elect. 5   
f

Elect. 6   
f

Elect. 7   
z p f

Elect. 8   
p f

497

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

V

185

499

Sop. Sax. 1 *sub. f*

Sop. Sax. 2 *sub. f*

Sop. Sax. 3 *sub. f*

Sop. Sax. 4 *sub. f*

Elect. 1

Elect. 2

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

500

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8

p f p f p f p f

f p f p f p f

p f p f p f p f

=p f p f p f p f

p f p f p f p f

p f p f p f p f

p f p f p f p f

p f p f p f p

502

Sop. Sax. 1

Sop. Sax. 2

Sop. Sax. 3

Sop. Sax. 4

Elect. 1

Elect. 2.

Elect. 3

Elect. 4

Elect. 5

Elect. 6

Elect. 7

Elect. 8



**W Electronics  
CODA**

01'15"  
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fine

A musical score for Sop. Sax. 1. The page number '504' is at the top left. The title 'Sop. Sax. 1' is at the top center. The measure number '5115' is at the top right with a circled dot below it. The word 'fine' is at the far right. The music consists of two staves of five-line staff paper. The first staff starts with a clef, a key signature of one sharp, and a common time signature. The second staff starts with a clef and a common time signature. Both staves have vertical bar lines and small vertical stems extending upwards from the bottom line.