

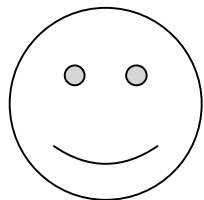


SUITE FOR STRING QUARTET (Version IV)

Zachary James Watkins
Summer 2009

RESONANT SPACE

(one possible configuration)



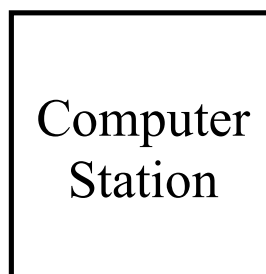
Monitor 1

Violin I



Monitor 2

Viola



Computer
Station

Materials List:

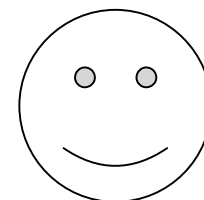
- 1.) 4 acoustic pic-ups (one for each string instrument)
- 2.) 4 direct boxes (one for each string instrument)
- 3.) 4 ¼-inch TRS cables (one for each string instrument)
- 4.) 4 lines of microphone cable (long enough to connect each D.I. to the computer station)
- 5.) 4 powered monitors (or passive monitors with 4 channels of amplification)
- 6.) 4 lines of speaker cable (long enough to reach each monitor from the computer station, cable type will depend on the available monitors)

Cello



Monitor 4

Violin II



Monitor 3

Suite for String Quartet is scored for string quartet with live interactive computer improvisation performed by myself, through a quadraphonic speaker system in a resonant space. The musicians and loud speakers are strategically positioned throughout the space. The audience is encouraged to explore the space in time, thus “self-mixing.”

Movement I.

- slow and patient
- string dynamics are to follow the dynamics of the accompanying electronics







Movement II.

- patient and dramatic swell

Movement III.

- intense and noisy with abrupt textural shifts

KEY:

- a.  = arco, the full length of bow
- b.  = play highest note on indicated string
- c.  = ricochet wood of bow against string
- d.  = with extra pressure, scratch the strings w/ the hair of the bow
- e.  = bowing w/ too much pressure in order to produce a noise effect
- f.  = natural harmonic
- h. Punta = play on the tip of the bow
- i. Pont. = play near the bridge

TUNING CHART

Cello

String	IV	III	II	I
Partial	1/1	93/64	69/64	103/64
Frequency	60	87.1875	129.375	193.125

Viola

String	IV	III	II	I
Partial	65/64	47/32	35/32	105/64
Frequency	121.875	176.25	262.5	393.75

Violin II

String	IV	III	II	I
Partial	95/64	71/64	53/32	79/64
Frequency	178.25	266.25	397.5	592.5

Violin I

String	IV	III	II	I
Partial	97/64	73/64	73/64	41/32
Frequency	181.875	273.75	401.25	429.062

I.

0

30"

1'

1'30"

2'

2'30"

3'

3'30"

4'

41/32

73/64

Violin I

Violin II

Viola

Cello

53/32

71/64

79/64

35/32

47/32

65/64

1/1

69/64



4'30"

5'

5'30"

6'

6'30"

7'

(9')

97/64

107/64

95/64

105/64

103/64

93/64

Violin I

Violin II

Viola

Cello

The image shows a musical score for a string quartet, specifically for the first movement. It features four staves: Violin I, Violin II, Viola, and Cello. The score is marked with time signatures and specific rhythmic values. The time markers are 4'30", 5', 5'30", 6', 6'30", 7', and (9'). The rhythmic values are 97/64, 107/64, 95/64, 105/64, 103/64, and 93/64. The notation includes beams, circles, and accidentals, indicating specific rhythmic patterns and dynamics for each instrument.

9

9'30"

10'

10'30"

11'

11'30"

12'

12'30"

13'

Violin I

Violin II

Viola

Cello

The image displays a musical score for a string quartet, specifically pages 3b. The score is organized into four staves, each representing a different instrument: Violin I, Violin II, Viola, and Cello. The time markers at the top indicate the progression of the piece in minutes and seconds: 9, 9'30", 10', 10'30", 11', 11'30", 12', 12'30", and 13'. The Violin I staff shows a long horizontal line starting at 9:00 and ending at 10:30, followed by a stem with a circle at 10:30 and another long line extending to the end of the page. The Violin II staff features a stem with a circle at 12:00 and a long line extending to the end, and another stem with a circle at 12:30 and a long line extending to the end. The Viola staff has a single long horizontal line starting at 9:00 and ending at the end of the page. The Cello staff shows a stem with a circle at 11:30 and a long line extending to the end, and another stem with a circle at 13:00 and a long line extending to the end. The notation is minimalist, focusing on the duration and placement of notes rather than specific pitch or rhythm.

13'30"

14'

14'30"

15'

15'30"

16'

17'

Violin I

Violin II

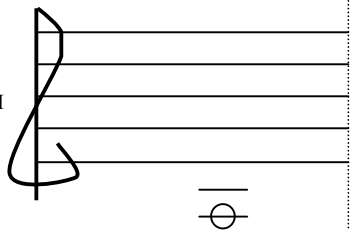
Viola

Cello

The image displays a musical score for a string quartet, specifically for Violin I, Violin II, Viola, and Cello. The score is organized into four systems, each corresponding to an instrument. At the top of the page, time markers are provided: 13'30", 14', 14'30", 15', 15'30", 16', and 17'. Each instrument's part is represented by a five-line staff. The Violin I part features a stem with a circle at the 15'30" mark and a thick horizontal line extending to the end of the page. The Violin II part has a stem with a circle at the 14'30" mark and a thick horizontal line extending to the end. The Viola part consists of two stems, each with a circle at the 15'30" mark and a thick horizontal line extending to the end. The Cello part features two stems, each with a circle at the 16'30" mark and a thick horizontal line extending to the end. The notation is minimalist, focusing on the timing and duration of notes rather than specific pitch or rhythm.

II.

Violin I



17'

17'40

18'

18'20"

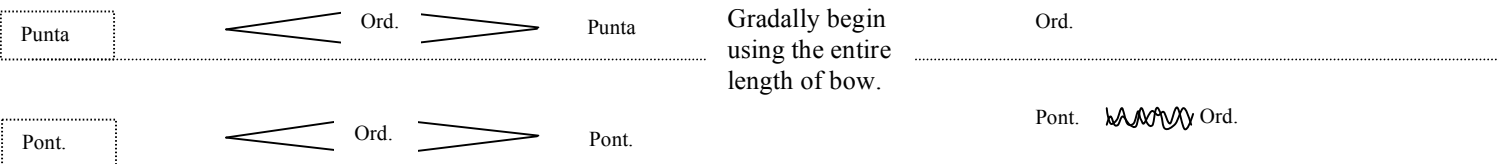
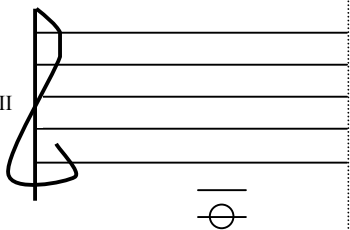
19'

19'40"

20

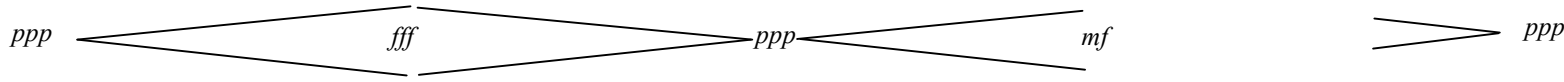
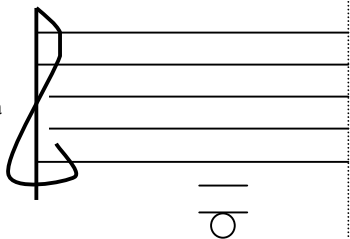
20'44"

Violin II

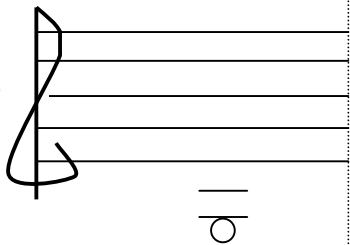


Rit.moderato

Viola



Cello



Pont.
III

Violin I & II

25'' 4'' 10'' 25'' 25'' 25'' 40'' 1'29''

pp *mp* *mp* *mf* *mf* *ff*

Tasto

Pont.
IV

Viola

40'' 17'' 15'' 30'' 6'' 10'' 25'' 2'28''

ppp *p* *mp* *mf* *mp* *f* *p---mf*

Pont.
I

Cello

30'' 40'' 40'' 1'28'' 15'' 15''

pp---mp *p* *mf* *f* *ff* *ppp--p* *mf*

Violin I

1/2 — 3 —

1/2 1/2

Musical notation for Violin I, featuring a treble clef and a series of notes with various articulations including accents, slurs, and dynamic markings. The notation includes a 7-measure rest and a 3-measure rest.

f-fff

Violin II

IV

Musical notation for Violin II, featuring a treble clef and a series of notes with various articulations including accents, slurs, and dynamic markings. The notation includes a 7-measure rest.

f-fff

Viola

I

3 3

3

Musical notation for Viola, featuring an alto clef and a series of notes with various articulations including accents, slurs, and dynamic markings. The notation includes a 3-measure rest.

f-fff

Cello

I

8va.....

3 3

8va..... 3

Musical notation for Cello, featuring a bass clef and a series of notes with various articulations including accents, slurs, and dynamic markings. The notation includes a 3-measure rest and an 8va marking.

f-fff

5

27'

6"
◇

Fine

Violin II

Violin II

Viola

Cello