

# Study 3

James Opstad

Reference score

# Study 3

## for string quartet

(2019)

### **Technical Requirements**

4x tablets (iPad/iPad Pro or similar)  
1x macOS/Windows/Linux computer  
1x wireless access point

### **Score Viewer**

This piece uses a specially designed score-reading application to assist with the performance of independent and changing tempi. A printed score is provided for reference but the score viewer must be used in performance.

### **Tempi**

The top metronome mark at the start of the score indicates the base tempo. All other tempi are relative to this value.

Metronome marks for individual tempi are expressed as ratios. These indicate the relationship between the new tempo and the base tempo. In the score viewer these ratios are replaced by literal metronome marks in beats per minute.

Parenthesised metronome marks reiterate the current tempo before a tempo change.

### **Additional Notes**

Notes in the full score are spaced proportionally.

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$\text{♩} = 74$   
 $\text{♩} = 3:2$       ord. to sul pont.       $(\text{♩} = 3:2)$        $\text{♩} = 1:1$

Violin 1  
*mf*

Violin 2  
*mf*

Viola  
*mf*

Violoncello  
*mf*

ord. to sul pont.       $(\text{♩} = 1:1)$        $\text{♩} = 3:4$

$(\text{♩} = 1:1)$        $\text{♩} = 3:2$       ord. to sul pont.       $(\text{♩} = 3:2)$        $\text{♩} = 1:1$

ord. to sul pont.       $(\text{♩} = 1:1)$        $\text{♩} = 2:3$

ord. to sul pont.       $(\text{♩} = 2:3)$        $\text{♩} = 1:1$

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ord. to sul pont.

(♩ = 3:4)

Musical staff 1: Treble clef, first system of notes with slurs and accents.

ord. to sul pont.

(♩ = 1:1)

♩ = 3:4

Musical staff 2: Treble clef, second system of notes with slurs and accents.

ord. to sul pont.

(♩ = 2:3)

♩ = 1:1

Musical staff 3: Bass clef, third system of notes with slurs and accents.

ord. to sul pont.

(♩ = 1:1)

♩ = 3:2

Musical staff 4: Bass clef, fourth system of notes with slurs and accents.

ord. to sul pont.

♩ = 1:1

Musical staff 5: Treble clef, fifth system of notes with slurs and accents.

ord. to sul pont.

(♩ = 3:4)

Musical staff 6: Treble clef, sixth system of notes with slurs and accents.

ord. to sul pont.

(♩ = 1:1)

♩ = 3:2

Musical staff 7: Bass clef, seventh system of notes with slurs and accents.

ord. to sul pont.

(♩ = 3:2)

♩ = 1:1

Musical staff 8: Bass clef, eighth system of notes with slurs and accents.

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ord. to sul pont. →

(♩ = 1:1)      ♩ = 4:3      (♩ = 4:3)

ord. to sul pont. →

♩ = 1:1

ord. to sul pont. →

(♩ = 3:2)      ♩ = 1:1

ord. to sul pont. →

(♩ = 1:1)      ♩ = 3:4

ord. to sul pont. →

♩ = 1:1      (♩ = 1:1)

ord. to sul pont. →

(♩ = 1:1)      ♩ = 4:3      (♩ = 4:3)

ord. to sul pont. →

(♩ = 1:1)      ♩ = 3:4

ord. to sul pont. →

(♩ = 3:4)      ♩ = 1:1

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ord. to sul pont. →

♩ = 4:5 (♩ = 4:5)

ord. to sul pont. →

♩ = 1:1 (♩ = 1:1)

ord. to sul pont. →

(♩ = 3:4) ♩ = 1:1

ord. to sul pont. →

(♩ = 1:1) ♩ = 4:3

ord. to sul pont. →

♩ = 1:1

ord. to sul pont. →

♩ = 4:5 (♩ = 4:5)

ord. to sul pont. →

(♩ = 1:1) ♩ = 4:3

ord. to sul pont. →

(♩ = 4:3) ♩ = 1:1

Study 3

ord. to sul pont. →

(♩ = 1:1)                      ♩ = 5:4                      (♩ = 5:4)

ord. to sul pont. →

♩ = 1:1

ord. to sul pont. →

(♩ = 4:3)                      ♩ = 1:1

ord. to sul pont. →

(♩ = 1:1)                      ♩ = 4:5

ord. to sul pont. →

♩ = 1:1                      (♩ = 1:1)

ord. to sul pont. →

(♩ = 1:1)                      ♩ = 5:4                      (♩ = 5:4)

ord. to sul pont. →

(♩ = 1:1)                      ♩ = 4:5

ord. to sul pont. →

(♩ = 4:5)                      ♩ = 1:1

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ord. to sul pont. →

$\text{♩} = 8:9$   $(\text{♩} = 8:9)$

ord. to sul pont. →

$\text{♩} = 1:1$   $(\text{♩} = 1:1)$

ord. to sul pont. →

$(\text{♩} = 4:5)$   $\text{♩} = 1:1$

ord. to sul pont. →

$(\text{♩} = 1:1)$   $\text{♩} = 5:4$

ord. to sul pont. →

$\text{♩} = 1:1$

ord. to sul pont. →

$\text{♩} = 8:9$

ord. to sul pont. →

$(\text{♩} = 1:1)$

ord. to sul pont. →

$(\text{♩} = 5:4)$   $\text{♩} = 1:1$



Study 3

—ord. to sul pont.—

(♩ = 1:1)                      ♩ = 9:8



—ord. to sul pont.—

(♩ = 8:9)                      ♩ = 1:1



—ord. to sul pont.—

♩ = 5:4                      (♩ = 5:4)



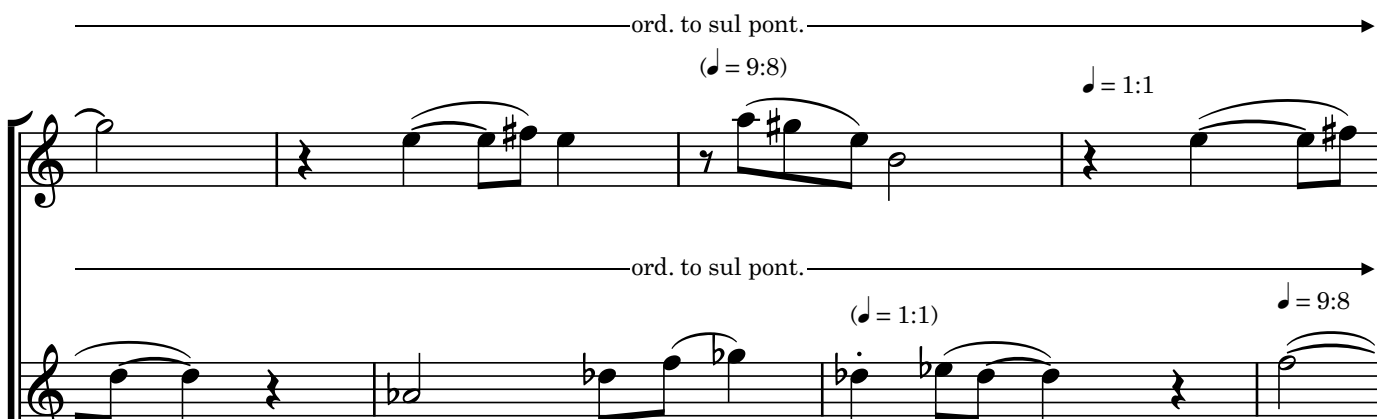
—ord. to sul pont.—

(♩ = 1:1)



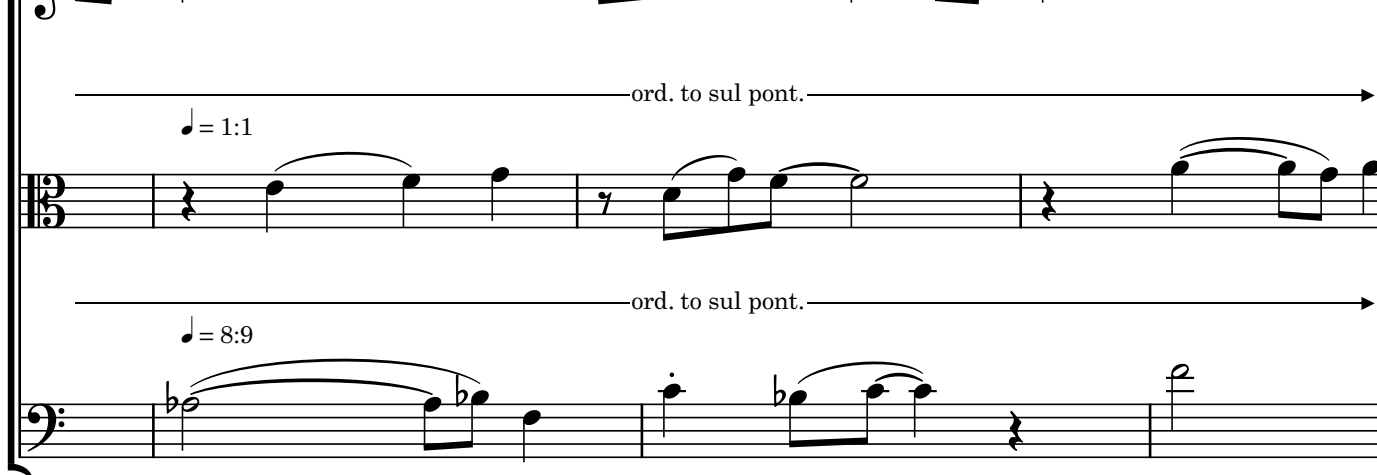
—ord. to sul pont.—

(♩ = 9:8)                      ♩ = 1:1




—ord. to sul pont.—

(♩ = 1:1)                      ♩ = 9:8



—ord. to sul pont.—

♩ = 1:1



—ord. to sul pont.—

♩ = 8:9



ord. to sul pont. →

ord. to sul pont. →

(♩ = 9:8)

ord. to sul pont. →

(♩ = 1:1)      ♩ = 8:9

ord. to sul pont. →

(♩ = 8:9)      ♩ = 1:1

Detailed description: This system contains four staves of music. The top staff is in treble clef with a key signature of one sharp (F#). It features a sequence of eighth notes with slurs and accents, and rests. The second staff is also in treble clef with a key signature of one flat (Bb), containing eighth notes with slurs and accents, and rests. The third staff is in bass clef with a key signature of one sharp (F#), featuring eighth notes with slurs and accents, and rests. The fourth staff is in bass clef with a key signature of one flat (Bb), containing eighth notes with slurs and accents, and rests. Performance instructions 'ord. to sul pont.' are written above each staff with arrows pointing to the right. Rhythmic markings include '(♩ = 9:8)', '(♩ = 1:1)', and '(♩ = 8:9)'.

ord. to sul pont. →

ord. to sul pont. →

(♩ = 1:1)

ord. to sul pont. →

(♩ = 8:9)      ♩ = 1:1

ord. to sul pont. →

(♩ = 1:1)      ♩ = 9:8

Detailed description: This system contains four staves of music. The top staff is in treble clef with a key signature of one sharp (F#), featuring eighth notes with slurs and accents, and rests. The second staff is in treble clef with a key signature of one flat (Bb), containing eighth notes with slurs and accents, and rests. The third staff is in bass clef with a key signature of one sharp (F#), featuring eighth notes with slurs and accents, and rests. The fourth staff is in bass clef with a key signature of one flat (Bb), containing eighth notes with slurs and accents, and rests. Performance instructions 'ord. to sul pont.' are written above each staff with arrows pointing to the right. Rhythmic markings include '(♩ = 1:1)', '(♩ = 8:9)', and '(♩ = 9:8)'.

ord. to sul pont.

ord. to sul pont.

ord. to sul pont.

ord. to sul pont.

(♩ = 1:1)      ♩ = 9:8

(♩ = 9:8)      ♩ = 1:1

Detailed description: This system contains four staves of music. The top two staves are in treble clef, and the bottom two are in bass clef. The music consists of eighth and sixteenth notes, often beamed together. Performance instructions 'ord. to sul pont.' are written above each staff. Tempo markings are present: '(♩ = 1:1)' and '♩ = 9:8' are placed above the third staff, and '(♩ = 9:8)' and '♩ = 1:1' are placed above the fourth staff. The music concludes with a double bar line.

ord. to sul pont.

ord. to sul pont.

ord. to sul pont.

ord. to sul pont.

(♩ = 9:8)      ♩ = 1:1

Detailed description: This system contains four staves of music, continuing from the first system. It features the same notation and performance instructions as the first system. The tempo markings '(♩ = 9:8)' and '♩ = 1:1' are placed above the third staff. The music concludes with a double bar line.