

Golden Ratio for Humming and String Quartet

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♩ = 60

Humming : Each person should start from your birth day and continue to end of music (intermission is allowed fleely).
(Before performing, rehearsal of each humming parts (audience) is recommended.)

1月 雪舞う、凍える朝 Soprano * F: 702Hz (near F, same Violin 1 E string) and A 440 Hz(A)

[0'31"]

Humming Female: long humming *ppp*

Alto * D#: 612Hz (near D#, same Violin 2 E string) and A: 440 Hz

Humming Male: long humming *ppp*

Tenore * A : 220Hz and D: 297 Hz(near D, same Viola D string)

Bass * D: 153 Hz(near D#, same Cello D string), G: 91 Hz (near F#, same Cello G string)

Violin I: *ppp* → *pp* → *pp* → *ppppp ... pp*
 * I : 702Hz (near F), II: 440 Hz(A), III: 297 Hz (near D), IV: 213 Hz(between G#-A)

Violin II: *ppp* → *p* → *p*
 * I : 612Hz (near D#), II: 440 Hz(A), III: 260 Hz (near C), IV: 181 Hz(near F#)

Viola: *pp* → *ppppp ... pp*
 * I : 440Hz (A), II: 297 Hz(near D), III: 207 Hz (near G#), IV: 122 Hz(near H)

Violoncello: *pp*

continue long note ♩ ... ∞ ad lib. at random using these notes

[1 / 8, 0'08"]

[1 / 13 0'13"]

[1 / 20, 0:20]

sul pont.

* I : 220Hz (A), II: 153 Hz(near D#), III: 91 Hz (near F#), IV: 64 Hz(between H-C)

2月 吹雪き、目の前が白く

[0'60"]

Hum. F. *p* → *mf* → *p* → *mf* → *f* continue this pattern *cresc.*

Hum. M. *p* → *mf* → *p* → *mf* → *f* continue this pattern *cresc.*

Vln. I: *p* → *f* repeat ad lib. [2 / 22, 0'53"]

Vln. II: *pp* → *mf* → *f* repeat ad lib. at random using these harmonics [2 / 22, 0'53"]

Vla.: *p* → *pp cresc.* → *f* repeat ad lib. at random using these harmonics *cresc. e accel.*

Vc.: *pp cresc.* → *f* repeat ad lib. at random using these harmonics *cresc. e accel.*

tremollo e sul pont.

[2 / 3, 0'33"]

[2 / 5, 0'35"]

sul pont.

3月 雪解けと湧水

Hum. F. *sub p* continue this pattern [1'31"]

Hum. M. *sub p* continue this pattern

Vln. I *p* [3/6, 1'06"] *ad lib.* repeat this pattern. *sul tasto e leggero* [3/26, 1'26"]

Vln. II *p* *sul tasto e leggero ad lib.* free choice from these pattern. *sul tasto e leggero* [3/26, 1'26"]

Vla. *p* repeat *cresc. e decresc.*

Vc. *p* [3/6, 1'06"] *pp* *ppp* [3/26, 1'26"] *p*

sul tasto e leggero

4月 花、鳥

Hum. F. *mf* continue this pattern [2'01"]

Hum. M. *mf* continue this pattern

Vln. I [4/15 1'46"] *mf* repeat *ad lib.*

Vln. II *mf* *p* *mp* *mf* *mp* repeat *ad lib.*

Vla. *p* *mp* *pp* *mf* 3 3 repeat *ad lib.*

Vc. *mp* *pp* *p* *mp* *pp* repeat *ad lib.* [1'59"]

select patterns randomly

select patterns randomly

select patterns randomly

select patterns randomly

Hum. F. *p* continue this pattern [2'32"]

Hum. M. *p* continue this pattern

Vln. I *pp* 8va select patterns randomly repeat ad lib. *mp* 3 3 3 5 [5/18, 2'19"]

Vln. II *p* poco a poco accel. poco a poco cresc. *mf dim.*

Vla. *p* poco a poco accel. poco a poco cresc. *mf*

Vc. [5/18, 2'19"] repeat *mf* > >

Hum. F. *p* timing and note randomly continue random pattern

Hum. M. *p* continue random pattern

Vln. I *p* pizz. + repeat ad lib. [6/20, 2'52"] arco *p mp*

Vln. II [6/3, 2'32"] [6/20, 2'52"] pizz. ad lib. use these notes. free timing. *p*

Vla. *mf pp mp ppp* [6/20, 2'52"]

Vc. *p* 3 3 3 repeat ad lib. [6/7, 2'39"] pizz. repeat ad lib.

7月 雷、雨 *sf* [3'33"]

cresc. e accel.

Hum. F. continue this pattern

Hum. M. *sf* continue this pattern *cresc. e accel.*

Vln. I *p* *cresc.* sul pont. [7/11, 3'13"] between bridge and tail piece repeat after viola *fff* *poco a poco cresc. and accel.* repeat

Vln. II [7/11, 3'13"] arco *fff* repeat *fff f* *fff f* repeat

Vla. blow f hole *p* *mf* repeat *poco a poco cresc. and accel.* *fff*

Vc. arco *pp* [7/11, 3'13"] *p* *fff* repeat *cresc. e decresc. ad lib. ma poco a poco accel.*

8月 嵐その後、花火、波、蝉 [4'04"]

Hum. F. *ff* continue this pattern *dim.* *p*

Hum. M. *ff* continue this pattern *dim.* *p*

Vln. I [8/2, 3'33"] *ffff* *pp* [8/11, 3'45"] repeat ad lib. *p < mp* *pp*

Vln. II [8/11, 3'45"] *fff* *mp* *mf* *mf* *p* *mp* *pp* repeat ad lib.

Vla. *ffff* *mp* *mf* *p* *poco a poco decresc.* *pp* blow f hole repeat

Vc. *ffff* *mp* *mf* *mf* *pp* repeat *poco a poco decresc.* *pp*

9月 夜更け、虫の声がそこかしこから

Hum. F. *p* continue this pattern [4'34"]

Hum. M. *p* continue this pattern

Vln. I [9/3, 4'06"] [9/15, 4'18"] number of note ad lib. repeat ad lib. *p* \rightarrow *ppp*

Vln. II [9/3, 4'06"] number of note ad lib. repeat ad lib. *p* \rightarrow *ppp*

Vla. *higurashi* repeat more 2 times *mf* \leftarrow *pp* *poco a poco dim* number of note ad lib. repeat ad lib. *p* \rightarrow *ppp*

Vc. *mf* \rightarrow *pp*

10月 秋風の夜、月が静かに昇る

Hum. F. *p* continue this pattern [5'05"]

Hum. M. *p* continue this pattern

Vln. I *dim.* [10/6 4'39"] [10/26, 4'59"] *p* \rightarrow *pp* \rightarrow *ppp* *ppp*

Vln. II *L.v.* [10/6 4'39"] play after Vn.I [10/26, 4'59"]

Vla. *ppp* [10/6 4'39"] continue [10/26, 4'59"]

Vc. [10/6 4'39"] *ppp* [10/26, 4'59"]

11月 風に舞い散る枯葉

Hum. F. *p* continue this pattern [5'35"]

Hum. M. *p* continue this pattern

Vln. I [11/7, 5'12"]
col legno repeat. timing and tempo ritardando

Vln. II *mf* *dim.* *pp* [11/27 5'32"]

Vla. repeat ad lib. timing and tempo ritardando [11/27 5'32"]
mp *dim.* *p* *pp*

Vc. harmonics gliss. repeat. timing and tempo ritardando [11/27 5'32"]
mp *pp* *mp*

Detailed description: This page contains the musical score for the first movement, '11月 風に舞い散る枯葉'. It features five staves: Hum. F., Hum. M., Vln. I, Vln. II, Vla., and Vc. The Hum. parts play a rhythmic pattern of eighth notes with a dynamic of *p*. The Vln. I part has a section marked 'col legno' starting at [11/7, 5'12"], with dynamics *mf* and *dim.*. The Vln. II part has dynamics *mf*, *dim.*, and *pp*. The Vla. part has dynamics *mp*, *dim.*, *p*, and *pp*. The Vc. part includes 'harmonics gliss.' and has dynamics *mp*, *pp*, and *mp*. There are several 'repeat' and 'ritardando' markings throughout the score.

12月 再び冬、小雪舞始めてきた

Hum. F. *p* continue this pattern [6'06"] *morendo*

Hum. M. *p* continue this pattern *morendo*

Vln. I [12/9, 5'44"]
sul pont. harmonics gliss. [12/22, 5'57"] *morendo*

Vln. II no tempo *p* *pp* *ppp* *pppp* [12/25, 6'00"]

Vla. arco sul pont. [12/22, 5'57"]
mp *mf* *p* *pp* *ppp* repeat e morendo

Vc. pizz. con vib. [12/22, 5'57"]
mp *mp* *p* *pp* *ppp* vib.

Detailed description: This page contains the musical score for the second movement, '12月 再び冬、小雪舞始めてきた'. It features five staves: Hum. F., Hum. M., Vln. I, Vln. II, Vla., and Vc. The Hum. parts play a rhythmic pattern of eighth notes with a dynamic of *p* and a 'morendo' marking. The Vln. I part has a section marked 'sul pont.' starting at [12/9, 5'44"], with dynamics *p* and *pp*, and a 'harmonics gliss.' section at [12/22, 5'57"] with a 'morendo' marking. The Vln. II part has dynamics *p*, *pp*, *ppp*, and *pppp*. The Vla. part has dynamics *mp*, *mf*, *p*, *pp*, and *ppp*, with a 'repeat e morendo' marking. The Vc. part has dynamics *mp*, *mp*, *p*, *pp*, and *ppp*, with a 'vib.' marking.