

# Golden Proportion #1

## I

Panaiotis

$\text{♩} = 60$

Timeline: 5/4 (Begin 8<5), 2 (8<3), 3 (8<1 8), 3/4, 4 (13), 5 (13+5), 6, 7 (21)

Flute 1: *p*, *mp*

Flute 2: *p*, *mp*

Horn in F: *p*, *mp*

Violin: *p*, *mp*

Violoncello: *p*, *mp*

8 9 10 11 12

Fl 1: *p*

Fl 2: *p*

Hn

Vn: *p*

Vc

# Golden Proportion #1

13  $\frac{4}{4}$  14  $\frac{3}{4}$  15  $\frac{5}{4}$   
34+13

Fl 1  
Fl 2  
Hn  
Vn  
Vc

5  $\frac{5}{4}$  16 17 18 19 20  
55  $\frac{4}{4}$  55+5 55+8 55+13 55+13+3

Fl 1  
Fl 2  
Hn  
Vn  
Vc

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

*sul tasto*  
*sul tasto*

# Golden Proportion #1

21 22 23 24 25 26

55+13+5 55+21 G<8 G<5 G<3 G<1 G[89](P1) G+5

Fl 1

Fl 2

Hn

Vn

Vc

*p*

*mp*

*ord.*

27 28 29 30

G+8 G+13 G+13+5 G+21

Fl 1

Fl 2

Hn

Vn

Vc

*mp*

*p*

Golden Proportion #1

31 32 4 33 3 34 5 4

Fl 1

Fl 2

Hn

Vn

Vc

*p*

*p*

5 35 36 37 3 38

Fl 1

Fl 2

Hn

Vn

Vc

*mf*

*p*

*mf*

*p*

*mf*

*p*

Golden Proportion #1

II

♩. = 96

Begin 1 2 3 4 5  
3 5 8 8+3

Fl 1  
Fl 2  
Hn  
Vn  
Vc

6 7 8 9 10  
13 13+1 13+3 13+5 21 21+1 21+3

*f* *f* *f* *f* *f* *f* *f* *f* *f* *f*  
*mp* *mp* *mp* *mp* *mp* *mp* *mp* *mp* *mp* *mp*  
*mf* *p* *p* *p* *p* *p* *p* *p* *p* *p*

# Golden Proportion #1

11 12 13 14 15 16

21+5 21+8 34 34+1 34+3

Fl 1 *mf* *f* *mf*

Fl 2 *mf*

Hn *mf*

Vn *f* *mf*

Vc *mp* *f* *mf*

17 18 19 20 21 22 23

34+5 34+8 34+13

Fl 1

Fl 2

Hn *mf*

Vn

Vc

# Golden Proportion #1

24 25 26 27 28

55 55+1 55+3 55+5

6/16

Fl 1

Fl 2

Hn

Vn

Vc

*f*

29 30 31 32 33 34

55+8 55+13

$\text{♩} = 96$

6/16 4/4

Fl 1

Fl 2

Hn

Vn

Vc

*p*

*mp*

# Golden Proportion #1

35 36 37 5 38 9

55+21

Fl 1

Fl 2

Hn

Vn

Vc

*mp*

*p*

$\text{♩} = 96$

39 40 41 42 43

G(G)[89] G(G)+1 G(G)+3 G(G)+5 110<13

8va

Fl 1

Fl 2

Hn

Vn

Vc

*f* *mp*

*f* *mp*

*f* *f*

*f* *mp* *p*

*f* *p*



# Golden Proportion #1

Musical score for measures 44-50. The score includes parts for Fl 1, Fl 2, Hn, Vn, and Vc. Measure numbers 44, 45, 46, 47, 48, 49, and 50 are indicated above the staff. Golden proportions are shown as ratios: 110<8, 110<5, 110<3, 110<1 110, and 123<8. Dynamics include *f* and *f*. The Fl 1 part has a *f* dynamic starting in measure 47. The Fl 2 part has a *f* dynamic starting in measure 45. The Vn part has a *f* dynamic starting in measure 46. The Vc part has a *f* dynamic starting in measure 44.

Musical score for measures 51-54. The score includes parts for Fl 1, Fl 2, Hn, Vn, and Vc. Measure numbers 51, 52, 53, and 54 are indicated above the staff. Golden proportions are shown as ratios: 123<5, 123<3, 123<1, G<13, and G<13<5. The Fl 1 part has a complex rhythmic pattern starting in measure 53. The Fl 2 part has a complex rhythmic pattern starting in measure 54. The Hn part has a complex rhythmic pattern starting in measure 52. The Vn part has a complex rhythmic pattern starting in measure 53. The Vc part has a complex rhythmic pattern starting in measure 51.

Golden Proportion #1

Musical score for measures 55-57. The score includes parts for Flute 1 (Fl 1), Flute 2 (Fl 2), Horn (Hn), Violin (Vn), and Violoncello (Vc). Measure 55 features a G chord with a 13<sup>th</sup> fret (G<13<3). Measure 56 features a G chord with a 21<sup>st</sup> fret (G<21). Measure 57 features a G chord with a 13<sup>th</sup> fret (G<13<1). The Fl 1 part has a dynamic marking of *mf*. The Fl 2 part has dynamic markings of *mp* and *p*. The Hn part has a dynamic marking of *p*. The Vn part has dynamic markings of *mf* and *mp*. The Vc part has a dynamic marking of *p*.

Musical score for measures 58-60. The score includes parts for Flute 1 (Fl 1), Flute 2 (Fl 2), Horn (Hn), Violin (Vn), and Violoncello (Vc). Measure 58 features a G chord with a 8<sup>th</sup> fret (G<8). Measure 59 features a G chord with a 5<sup>th</sup> fret (G<5). Measure 60 features a G chord with a 3<sup>rd</sup> fret (G<3). The Fl 1 part has a dynamic marking of *f*. The Fl 2 part has a dynamic marking of *f*. The Hn part has a dynamic marking of *f*. The Vn part has a dynamic marking of *f*. The Vc part has a dynamic marking of *f*. The score concludes with a 3/4 time signature.

# Golden Proportion #1

$\text{♩} = 96$

61 62 63 64 65 66 67 68 69 70 71 72

G(wk & P2) G+3 G+5 G+8 G+13 G+13+3 G+13+5 G+21 G+21+1 G+21+3 G+21+5 G+21+8

Fl 1 *ff* *mf* *p*

Fl 2 *ff* *mf* *p*

Hn *ff* *mf* *p*

Vn *ff* *mf* *p*

Vc *ff* *mf* *p* *mp*

73 74 75 76 77 78 79 80 81 82 83 84

G+34 G+34+1 G+34+3 G+34+5 G+34+8 G+34+13 G+55 G+55+1 G+55+3 G+55+5

Fl 1

Fl 2

Hn

Vn

Vc

# Golden Proportion #1

Musical score for measures 85-94. The score is for five instruments: Fl 1, Fl 2, Hn, Vn, and Vc. The time signature is 2/4, with a 3/4 measure at the beginning of measures 86, 90, and 93. The key signature has one sharp (F#). The score includes dynamic markings *mp* and *mf*. The measures are labeled with their respective time signatures and measure numbers: 2/4 85, 3/4 86, 87, 88, 2/4 89, 3/4 90, 91, 2/4 92, 3/4 93, and 94. The score ends with a double bar line and the word "End".

## III

Musical score for measures 1-5. The score is for five instruments: Fl 1, Fl 2, Hn, Vn, and Vc. The time signature is 2/4. The tempo is marked as quarter note = 120. The key signature has one flat (Bb). The score includes dynamic markings *f*. The measures are labeled with their respective measure numbers: 1, 2, 3, 4, and 5. The score begins with the word "Begin".

# Golden Proportion #1

6 7 8 9 10 11 13 13+1

Fl 1  
Fl 2  
Hn  
Vn  
Vc

$\text{♩} = 120$

12 13 14 15 16 17 18

13+3 13+5 21 21+1 21+3 21+5

Fl 1  
Fl 2  
Hn  
Vn  
Vc

*mp* *mf* *pp*

# Golden Proportion #1

$\text{♩} = \text{♪} = 120$

19 20 21 22 23

21+8 21+8 34 34+1

Fl 1 *p*

Fl 2 *mp*

Hn *mp*

Vn *pp* *p*

Vc *mp*

24 25 26 27

34+3 34+5 34+8

Fl 1

Fl 2

Hn

Vn

Vc

# Golden Proportion #1

28 29 30 31 32

34+13 G G+1

Fl 1

Fl 2

Hn

Vn

Vc

*mp*

33 34 35 36

G+3 G+5 G+8

Fl 1

Fl 2

Hn

Vn

Vc

# Golden Proportion #1

The conductor's line at the top of the page shows time signatures and golden section points. The points are labeled as follows: 37 (G+13), 38 (G+13+1), 39 (G+13+3), 40 (G+13+5), 41 (G+21+3), 42 (G+21+5), 43 (G+21+8), and 44 (End). The time signatures are 2/2, 3/2, 2/2, 3/2, 2/2, 3/2, 2/2, and 2/2 respectively.

The instrument parts are: Fl 1, Fl 2, Hn, Vn, and Vc. The dynamic markings for all parts are: *mp* (mezzo-piano) at the start, *mf* (mezzo-forte) at the 39-second mark, *f* (forte) at the 41-second mark, *mp* (mezzo-piano) at the 43-second mark, and *p* (piano) at the 44-second mark. The Vc part has a more complex rhythmic pattern in the first two measures.

The conductor's line, which contains the time signatures and tempo marks, also contains time structure information. *Golden Proportions #1* uses the Golden Section ratio and Fibonacci series as the basis for its form. The information is provided for anyone who is curious about such matters of analysis, but may otherwise be ignored since they add no important information relating to a performance.

For those who are curious, the numbers indicate points (often in seconds or beats of the movement) where golden sections occur. These are nested. The "G" indicates a major golden section point. The numbers can be found to adhere to the Fibonacci series.