

for solo piano

Frederic Chopin / Dave Soldier

VARIATIONS ON CHOPIN'S MINUTE WALTZ

about 45 minutes

- 1. Averaged notes**
- 2. Unplayed notes: each pitch except the originals**
- 3. No rhythm information: all notes played simultaneously**
- 4. Fourier transformation**
- 5. No pitch information**
- 6. the Minute Waltz in six seconds**
- 7. First derivative**
- 8. Integral**
- 9. the Minute Waltz in half an hour**

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Chopin's Minute Waltz Variations

Variation 1: Average note

Chopin
Soldier

3.1.14 version

♩=260

mf *leggiero*

♩=240 1/4

8 1/4 1/4 1/8 2/3 2/3 2/3 1/3 ♩=260 1/4 1/4

dim. *cresc.*

16 1/4 ♩=240 1/4 2/3 2/3 1/4 ♩=260 1/4 1/3 1/3

23 3 1/8 1/4 1/4 ♩=240 1/3 1/4 1/4 1/4 1/4 ♩=260 1/4 1/4 1/4

mf

30 1/4 1/4 3/8 1/4 1/8 1/4 1/4 1/4 1/4 2/3 1. rit. ♩=240

dim.

38 1/4 3/8 1/4 3/8 1/4 2/3

leggiero

47 1/4 1/4 1/4 1/8 2/3 1/4

mf *dim.* *p* *mf* *p*

56 1/4 1/4 1/4 1/4 1/4 3/8 2/3 1/4 1/4 1/4

mf *p* *mf*

65 2/3 rit. 2/3 1/4 tr tr ♩=260

dim. *p* *mp*

75 ♩=260 1/4 1/4 1/4 1/8 1/4 1/4

cresc.

Minute Waltz Variations

82 $\frac{1}{8}$ $\frac{2}{3}$ $\frac{2}{3}$ $\frac{1}{4}$ $\frac{2}{3}$ $\frac{1}{3}$ $\frac{1}{4}$
dim. *p* *cresc.* $\frac{1}{4}$ $\frac{1}{4}$

89 $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{8}$ $\frac{2}{3}$ $\frac{2}{3}$ $\frac{3}{8}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{3}{8}$
p *mf*

96 $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{3}$ $\frac{2}{3}$ $\frac{1}{4}$ $\frac{3}{8}$
dim. *p* *mf*

103 $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{3}$ $\frac{2}{3}$
dim. *p*

110 $\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{3}$ $\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{2}{3}$ $\frac{1}{4}$ $\frac{1}{4}$
mf

116 $\frac{1}{4}$ $\frac{1}{4}$ $\frac{2}{3}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{8}$ $\frac{8^{va}}$
mf *rit.* *dim.*

122 $\frac{1}{4}$ $\frac{1}{4}$ *rit.* $\frac{1}{4}$ $\frac{2}{3}$ $\frac{2}{3}$ *f*
p *cresc.*

Chopin's Minute Waltz Variations

Variation 2: Unplayed notes: every pitch except the originals

Chopin
Soldier

$\text{♩} = 240$

3

5

7

9

11

13

Musical notation system 1 (measures 15-16). Treble and bass staves with complex chords and melodic lines. Includes dynamic markings like *mf* and *f*, and articulation marks like asterisks.

Musical notation system 2 (measures 17-18). Treble and bass staves with complex chords and melodic lines. Includes dynamic markings like *mf* and *f*, and articulation marks like asterisks.

Musical notation system 3 (measures 19-20). Treble and bass staves with complex chords and melodic lines. Includes dynamic markings like *mf* and *f*, and articulation marks like asterisks.

Musical notation system 4 (measures 21-22). Treble and bass staves with complex chords and melodic lines. Includes dynamic markings like *mf* and *f*, and articulation marks like asterisks.

Musical notation system 5 (measures 23-24). Treble and bass staves with complex chords and melodic lines. Includes dynamic markings like *mf* and *f*, and articulation marks like asterisks.

Musical notation system 6 (measures 25-26). Treble and bass staves with complex chords and melodic lines. Includes dynamic markings like *mf* and *f*, and articulation marks like asterisks.

Musical notation system 7 (measures 27-28). Treble and bass staves with complex chords and melodic lines. Includes dynamic markings like *mf* and *f*, and articulation marks like asterisks.

Musical notation system 8 (measures 29-30). Treble and bass staves with complex chords and melodic lines. Includes dynamic markings like *mf* and *f*, and articulation marks like asterisks.

31

Musical notation for measures 31-32, featuring treble and bass clefs. The music consists of dense chords and arpeggiated patterns. A slur spans across measures 31 and 32. A '3' is written above the final measure of the system.

33

Musical notation for measures 33-34, featuring treble and bass clefs. The music consists of dense chords and arpeggiated patterns. A slur spans across measures 33 and 34.

35

Musical notation for measures 35-36, featuring treble and bass clefs. The music consists of dense chords and arpeggiated patterns. A slur spans across measures 35 and 36. Measure 36 includes first and second endings.

39

Musical notation for measures 39-40, featuring treble and bass clefs. The music consists of dense chords and arpeggiated patterns. A slur spans across measures 39 and 40.

43

Musical notation for measures 43-44, featuring treble and bass clefs. The music consists of dense chords and arpeggiated patterns. A slur spans across measures 43 and 44.

46

Musical notation for measures 46-47, featuring treble and bass clefs. The music consists of dense chords and arpeggiated patterns. A slur spans across measures 46 and 47.

50

Musical notation for measures 50-51, featuring treble and bass clefs. The music consists of dense chords and arpeggiated patterns. A slur spans across measures 50 and 51.

54

Musical notation for measures 54-55, featuring treble and bass clefs. The music consists of dense chords and arpeggiated patterns. A slur spans across measures 54 and 55.

58

Musical notation for measures 58-59, featuring treble and bass clefs. The music consists of dense chords and arpeggiated patterns. A slur spans across measures 58 and 59.

62

Musical notation for measures 62-63, featuring treble and bass clefs. The music consists of dense chords and arpeggiated patterns. A slur spans across measures 62 and 63.

66 *fz* *tempo*

72 *fz*

76

78 *fz*

80 *fz*

82 *fz*

84 *fz*

86 *fz*

88 *fz*

The musical score for 'Minute Waltz Variations' on page 5 consists of eight systems of two staves each. The notation is complex, featuring a high density of accidentals (sharps, flats, naturals) and slurs across the measures. The key signature is minor, and the piece includes various rhythmic patterns and articulations. Measure numbers 90, 92, 94, 96, 98, 100, 102, and 104 are clearly marked at the beginning of each system. The score includes dynamic markings such as *mf* and *f*, and features several slurs and accents. The bass line often provides a harmonic foundation with sustained chords, while the treble line has more active melodic and harmonic movement. The overall texture is dense and characteristic of late 19th-century piano music.

The musical score is presented in a standard two-staff format for piano. Each system contains a treble clef staff and a bass clef staff. The notation is dense, featuring many chords and complex rhythmic patterns. Key features include:

- Measure Numbers:** 106, 108, 111, 113, 115, 117, 119, 121, and 123 are clearly marked at the beginning of their respective systems.
- Performance Markings:** The score includes dynamic markings such as *f* (forte) and *p* (piano), and a *rit.* (ritardando) marking in the 119th system.
- Rhythmic Elements:** There are several triplet markings (indicated by a '3' over a group of notes) and various articulation marks like slurs and accents.
- Staff Markings:** The bass staff contains several asterisks (*) and the word *f* below the staff, likely indicating specific performance instructions or fingering.

Chopin's Minute Waltz Variations

Variation 3: No rhythm: all notes simultaneously

Chopin
Soldier

The image displays a musical score for Variation 3 of Chopin's Minute Waltz Variations. The score is written for six staves, arranged in three pairs. Each staff begins with a treble clef (the bottom two staves use bass clefs), a key signature of three flats (B-flat, E-flat, A-flat), and a 4/4 time signature. The music consists of six simultaneous chords, one on each staff, which are held for the duration of the piece. The chords are: Staff 1: C major triad (C4, E4, G4); Staff 2: F major triad (F3, A3, C4); Staff 3: B-flat major triad (B-flat3, D4, F4); Staff 4: C major triad (C4, E4, G4) with an 8va marking above the notes; Staff 5: F major triad (F3, A3, C4); Staff 6: B-flat major triad (B-flat3, D4, F4) with an 8va marking below the notes. The notes are grouped by stems and beams, and each chord is held for the entire duration of the piece.

Minute Waltz Variations

Variation 4: Fourier transform

♩=480
or even faster

maintain pitches throughout measure

repeated pitches produce increased volume, not new attacks

4

7

10

13

p cresc.

16

>

19

p

22

3

25

28

Musical notation for measures 28-30. Measure 28: Treble clef has a melodic line starting with a quarter note G4, followed by eighth notes. Bass clef has a half note chord. Measure 29: Treble clef continues the melody. Bass clef has a half note chord. Measure 30: Treble clef continues the melody. Bass clef has a half note chord. Dynamics include accents and a forte (*f*) marking in measure 29.

31

Musical notation for measures 31-33. Measure 31: Treble clef has a melodic line. Bass clef has a half note chord. Measure 32: Treble clef continues the melody. Bass clef has a half note chord. Measure 33: Treble clef continues the melody. Bass clef has a half note chord. Dynamics include a triplet in measure 31 and a diminuendo (*dim.*) marking in measure 32.

34

Musical notation for measures 34-36. Measure 34: Treble clef has a melodic line. Bass clef has a half note chord. Measure 35: Treble clef continues the melody. Bass clef has a half note chord. Measure 36: Treble clef continues the melody. Bass clef has a half note chord. Dynamics include an accent in measure 34 and a piano (*p*) marking in measure 35. A first ending bracket is shown in measure 36.

37

Musical notation for measures 37-39. Measure 37: Treble clef has a melodic line. Bass clef has a half note chord. Measure 38: Treble clef continues the melody. Bass clef has a half note chord. Measure 39: Treble clef continues the melody. Bass clef has a half note chord. Dynamics include a dolce marking in measure 37.

40

Musical notation for measures 40-42. Measure 40: Treble clef has a melodic line. Bass clef has a half note chord. Measure 41: Treble clef continues the melody. Bass clef has a half note chord. Measure 42: Treble clef continues the melody. Bass clef has a half note chord.

43

Musical notation for measures 43-45. The key signature has three flats (B-flat, E-flat, A-flat). Measure 43: Treble clef has a half note chord (F4, A-flat4, C5); Bass clef has a half note chord (B-flat3, D4, F4). Measure 44: Treble clef has a half note chord (F4, A-flat4, C5); Bass clef has a half note chord (B-flat3, D4, F4). Measure 45: Treble clef has a quarter note chord (F4, A-flat4, C5) followed by a quarter note chord (G4, B-flat4, D5) with a slur and a '4' below it; Bass clef has a half note chord (B-flat3, D4, F4).

46

Musical notation for measures 46-48. Measure 46: Treble clef has a half note chord (F4, A-flat4, C5); Bass clef has a half note chord (B-flat3, D4, F4). Measure 47: Treble clef has a half note chord (F4, A-flat4, C5); Bass clef has a half note chord (B-flat3, D4, F4). Measure 48: Treble clef has a half note chord (F4, A-flat4, C5); Bass clef has a half note chord (B-flat3, D4, F4).

49

Musical notation for measures 49-51. Measure 49: Treble clef has a half note chord (F4, A-flat4, C5); Bass clef has a half note chord (B-flat3, D4, F4). Measure 50: Treble clef has a half note chord (F4, A-flat4, C5); Bass clef has a half note chord (B-flat3, D4, F4). Measure 51: Treble clef has a half note chord (F4, A-flat4, C5); Bass clef has a half note chord (B-flat3, D4, F4). Dynamics: *mf* in measure 50, *dim.* in measure 51.

52

Musical notation for measures 52-54. Measure 52: Treble clef has a half note chord (F4, A-flat4, C5); Bass clef has a half note chord (B-flat3, D4, F4). Measure 53: Treble clef has a half note chord (F4, A-flat4, C5); Bass clef has a half note chord (B-flat3, D4, F4). Measure 54: Treble clef has a half note chord (F4, A-flat4, C5); Bass clef has a half note chord (B-flat3, D4, F4).

55

Musical notation for measures 55-57. Measure 55: Treble clef has a half note chord (F4, A-flat4, C5); Bass clef has a half note chord (B-flat3, D4, F4). Measure 56: Treble clef has a half note chord (F4, A-flat4, C5); Bass clef has a half note chord (B-flat3, D4, F4). Measure 57: Treble clef has a half note chord (F4, A-flat4, C5); Bass clef has a half note chord (B-flat3, D4, F4).

58

Musical notation for measures 58-60. The piece is in 3/4 time with a key signature of three flats (B-flat, E-flat, A-flat). The melody in the treble clef consists of quarter notes with ties across measure boundaries. The bass clef accompaniment features a steady eighth-note pattern with chords. Measure 60 ends with a double bar line.

61

Musical notation for measures 61-63. The melody in the treble clef continues with quarter notes and ties. The bass clef accompaniment maintains the eighth-note rhythmic pattern. Measure 63 concludes with a double bar line.

45 *rit.* ♩ = 240

f *p*

Ped. * Ped. * Ped. *

52 *dolce*

Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. *

61 *tr* *leggiero*

mf *dim.*

Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. *

70

Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. *

79 *rit.*

mf *dim.* *p* *cresc.*

Ped. * Ped. * Ped. *

♩ = 240

89

Ped. * Ped. * Ped. *

Minute Waltz Variations

96

Measures 96-103: Treble clef, key signature of three flats (B-flat, E-flat, A-flat). The right hand features a continuous eighth-note pattern with slurs and a trill in measure 99. The left hand plays a steady quarter-note accompaniment.

Lea * Lea * Lea * Lea * Lea * Lea * Lea * Lea *

104

Measures 104-111: Similar to the previous system, but with triplets in the right hand starting at measure 107 and 110.

Lea * Lea * Lea * Lea * Lea * Lea * Lea * Lea *

112

Measures 112-118: The right hand continues with eighth notes, while the left hand has rests in measures 112-115. A dynamic marking of *f* with a triplet in the right hand appears in measure 117.

Lea * Lea * Lea * Lea * Lea *

119

Measures 119-125: The right hand features a triplet in measure 119 with a *dim.* marking. The left hand has rests in measures 119-122. Dynamics *p* and *pp* with triplets are used in measures 124 and 125.

Lea * Lea * Lea * Lea * Lea *

126

Measures 126-132: The right hand has a triplet in measure 126. The left hand has rests in measures 126-129.

Lea * Lea * Lea * Lea * Lea * Lea * Lea * *gva*---

133

Measures 133-136: The right hand features triplets in measures 133 and 135 with a *cresc.* marking. The left hand has rests in measures 133-136.

(*gva*)---
rit.

137

Measures 137-144: The right hand has triplets in measures 137-140 with a *p* marking and *cresc.* in measure 140. The left hand has rests in measures 137-140. Dynamics *f* and *gva* markings are present in measures 143 and 144.

Lea * Lea * Lea *

6. Minute Waltz in six seconds

PLAY THE ORIGINAL PIECE VERY QUICKLY

Variations on Chopin's Minute Waltz

Version
3.1.14

Variation 7: First derivative

Chopin
Soldier

$\text{♩} = 240$

Piano

7

14

21

28

35

dim.

p

cresc.

f

dolce

p

Ped. *

44 *leggero*

mf *dim.*

Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped.

53

* Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. *

62 *rit.* *a tempo* *tr*

mf *dim.* *p* *p*

Ped. * Ped. * Ped. * Ped. * Ped. *

72 *tr* *tr* *cresc.*

cresc.

Ped. * Ped. *

80

Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. *

87

Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. *

94

3

Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. *

101

f 3 *dim.* 3

Ped. * Ped. *

108

p *pp* 3

Ped. * Ped. * Ped. * Ped. * Ped. * Ped. *

115

3 *cresc.* 3

Ped. * Ped. * Ped. * *rit.*

122

p 3 *cresc.* 3 3 *f*

Ped. * Ped. * *rit.* Ped. *

Variations on Chopin's Minute Waltz

Chopin
Soldier

Variation 8: Integrated: from low low low C

♩=240

Piano

leggiero

8^{va} (b) 15^{ma} from here, above the range of human hearing

9. Minute Waltz in half an hour

PLAY THE ORIGINAL PIECE VERY SLOWLY