



Copernicus Etudes

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Copernicus Etudes

Part 1

1. Jupiter	1
2. Neptune	5
3. Mars	13
4. Uranus	15
5. Mercury	20

Part 2

6. Pluto.....	25
7. Saturn	33
8. Venus	45
9. Earth	53

Approx 30'

Abstract Cloud Formations

Jarringly ♩=100

Peacefully ♩=100

Smoother ♩=60

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accel. rit.

41

f *p* *p*

Ped. _____ Pedal 3

rit. a tempo

52

p

Ped. _____

60

pp *pp* *p* *f*

With precision ♩=60

69

mp *ff* *f* *mf* *mp* *p* *pp*

Ped. _____

76

mp f p

83

pp cresc poco a poco

accel.

pp cresc poco a poco

88

p cresc poco a poco

rit.

$\text{♩} = 70$ $\text{♩} = 60$

p cresc poco a poco

92

Ped.

p cresc poco a poco

96 *mf* *accel.* *f* *ff* *8va*

(Pedal 3)

102 *fff* *ff* *f* *mf* *8vb*

$\text{♩} = 100$

109 *mp* *(8)*

118 *(8)* *n*

2. Neptune

5

The Great Dark Spot

Energetically ♩.=150

1

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

Red.

6

Slowly ♩.=60
rit.

mp

11

Energetically ♩.=150

mf *cresc.* *f* *dim.*

16

mp

8va

21

p subito

f subito

p subito

26

f

Freely, but fast (♩.=90)
accel.

Energetically ♩.=150

30

p subito

mf

34

cresc. poco a poco

Ped.

39 *8va*

44 *(8)* *15ma* *8va*

ff dim.

49 *(8)*

Ped.

54 *rit.*

p dim. poco a poco

8vb

Ped.

60

(8)

66

(8)

73

Expansively $\text{♩} = 40$

(8)

80

(8)

87

accel. (♩=52) (♩=40) accel. (♩=52) accel. (♩=68)

ppp *pp* *p* *mp*

Red.

92

accel. *cresc.* *ff* **Fiery** ♩=100 *rit.*

Red.

96

f *mp* *p* *f* *f* **Impassioned** ♩=158

101

f *f* *f* *f mf cresc.*

107

Measures 107-113. Treble clef. Key signature: one sharp (F#). Measure 107 starts with a treble rest and a bass eighth note. Measures 108-113 feature a melody in the treble with slurs and accents, and a bass line with eighth notes. Dynamics: *f* (108), *f* (109), *f* (110), *f* (111), *f* (112), *f mf* (113). A crescendo hairpin spans measures 108-112.

114

Measures 114-118. Treble clef. Key signature: one sharp (F#). Measure 114 starts with a treble rest and a bass eighth note. Measures 115-118 feature a melody in the treble with slurs and accents, and a bass line with eighth notes. Dynamics: *cresc. poco a poco* (114). A crescendo hairpin spans measures 114-118.

119

Measures 119-124. Treble clef. Key signature: one sharp (F#). Measure 119 starts with a treble rest and a bass eighth note. Measures 120-124 feature a melody in the treble with slurs and accents, and a bass line with eighth notes. Dynamics: *f* (119), *f* (120), *f* (121), *f* (122), *f* (123), *f* (124). A crescendo hairpin spans measures 119-124.

125

Measures 125-130. Treble clef. Key signature: one sharp (F#). Measure 125 starts with a treble rest and a bass eighth note. Measures 126-130 feature a melody in the treble with slurs and accents, and a bass line with eighth notes. Dynamics: *ff* (125). A crescendo hairpin spans measures 125-130. A dashed line labeled *8va* spans measures 126-129.

131 *8va* 11 *8va*

131 132 133 134 135

Ped.

(8) *8va*

136 137 138 139 140

f

(8)

141 142 143 144 145

f *cresc. poco a poco*

146

146 147 148 149 150

151 *8va* *accel.*

157

162 *(♩.=208)* *rall.* *Powerfully ♩=100*

fff *molto rubato* *ff*

167 *mf* *mp* *p* *rit.*

3. Mars

Epitaph (Warning)

Mournfully ♩=60

1 *8va*

Measures 1-7 of the piece. The music is in 4/4 time. The right hand starts with a series of eighth notes, some beamed together in groups of three. The left hand is mostly silent, with a few notes in measures 2, 4, and 6. Dynamics include *ppp*, *(unhurried)*, *pp*, and *ppp*. There are also markings for *8va* and *3*.

8 (8)

Measures 8-12. Measure 8 has a repeat sign and a first ending bracket. The right hand features a half note (H) followed by eighth notes. The left hand has eighth notes and triplets. Dynamics include *ppp*, *pp*, and *pp subito*. There are also markings for *5*, *3*, and *5*.

13 *8va*

Measures 13-17. Measure 13 has a repeat sign. The right hand has eighth notes and triplets. The left hand has eighth notes and triplets. Dynamics include *ppp*, *ppp subito*, *pp*, and *Legatissimo (alternate hands)*. There are also markings for *5*, *3*, *5*, *3*, *5*, *3*, *8+1*, *8*, and *Red.*

18

pp *ppp* *poco* *tenderly ppp subito*

23

pp *ppp* *pp* *p subito*

Ped.

More animatedly ♩=62

Somberly ♩=58
rit.

28

ppp *mp* *ppp* *n*

Ped.

4. Uranus

Serenity at 49° K

Smoothly ♩=80 (♩.=54) (♩.=160)

(legatissimo right hand)

1 *pp* *p* (light accents)

Ped.

4

7

8^{va}

9

(8)

*

* The dynamic markings are relative. Any dynamic changes should be restrained and controlled according to the delicate texture of the piece.

11

12

13

14

15

16

17

18

19

20

21

22

(8) 8va

24

26

29

poco dim.

very connected

pp

33

8^{va}

34 35 36

37

3

38 39 40

40

15^{ma}

8^{vb}

pochiss. dim.

41 42 43

43

(15)^{ma}

8^{vb}

pp

(legatissimo left hand)

44 45 46

46 *8va* 19

8vb

49 *8va*

8vb

52 (softer, like an echo)

(8)...

55

58 *morendo* *pppp*

5. Mercury

Dancing Too Close to the Sun.

$\text{♩} = 160$ Playfully

1 *mf* 8^{va} 7

5 Ped. ^

7 Ped. ^

9 *mf* Ped. ^ Ped. ^

11 *mf* Ped. ^

With more urgency

14 *cresc. poco a poco (to measure 19)*

14 *mp*

Ped. _____

Ped. _____

Ped. _____

17

Ped. _____

Ped. _____

23

f cresc.

8va

p

Ped. _____

26

f subito cresc.

p

Ped. _____

With mounting pressure and heat

cresc.poco a poco (to measure 50)

28

mf subito

Ped.

30

Ped.

Ped.

32

Ped.

37

8va

Ped.

42 *8va*

43 44

45 *8va*

46

47 *8va*

48

49 *8va* *ff*

50

24

51

8^{va}

accel.

53

8^{va}

8^{vb}

56

15^{ma}

8^{vb}

58

(15)

p subito

Part 2 ~ 6. Pluto

25

Frozen Rock, and Crystal Ice in Silver Light

With intense precision ♩=70

8^{va}

1

pp

Ped. simile

(8)

4

cresc.

(8)

6

mp

pochiss. a pochiss. accel

(8)

8

pochiss. dim.

p

7/16 4/4

(8)

11

$\text{♩} = 80$ Delicately

(8)

21

mf *pp*

Ped. \wedge Ped. \wedge

24

rit.

Ped. \wedge Ped. \wedge Ped. \wedge

27

pp *pp subito*

\wedge

$\text{♩} = 66$ Very Steadily, With great intensity

30

legatissimo (inner lines)

Ped. \wedge Ped. \wedge

34 **accel.**

p

Ped.

36 **With more urgency**

accel.

p

38

mf

Ped.

41 **Flowing, connected** **$\text{♩}=120$**

pp subito

44 *p*

8^{va}

4+5
8

4
4

5
4

4+5
8

4
4

5
4

Red.

(8)

47 *mp*

5
4

3
4

4+5
8

5
4

3
4

4+5
8

Red.

With intensity ♩=120

49 *f*

4+5
8

5
8

7
8

4+5
8

4+5
8

5
8

7
8

4+5
8

Red.

52

4+5
8

5+4
8

4+5
8

4+5
8

5+4
8

4+5
8

54

Measures 54-55. Treble and bass staves. Treble staff: 4+5/8, 5+4/8. Bass staff: 4+5/8, 5+4/8. Key signature: one sharp (F#). The music features complex rhythmic patterns with many beamed eighth and sixteenth notes, and various accidentals.

56

Wildly ♩=120

molto *ff*

Ped.

Measures 56-58. Treble and bass staves. Treble staff: 5+4/8, 7/8, 3/4. Bass staff: 5+4/8, 6/8, 3/4. Key signature: one flat (Bb). The music is marked 'Wildly' with a tempo of 120 beats per minute. Measure 56 is marked 'molto' and measures 57-58 are marked 'ff' (fortissimo). A 'Ped.' (pedal) marking is present under measure 57. The notation includes many beamed notes and dynamic markings.

59

Measures 59-62. Treble and bass staves. Treble staff: 3/4, 3/8, 3/4, 5+2/8, 4+5/8. Bass staff: 3/4, 3/8, 3/4, 5+2/8, 4+5/8. Key signature: one flat (Bb). The music continues with complex rhythmic patterns and many beamed notes.

63

Measures 63-65. Treble and bass staves. Treble staff: 4+5/8, 5+4/8, 4+5/8. Bass staff: 4+5/8, 5+4/8, 4+5/8. Key signature: one flat (Bb). The music continues with complex rhythmic patterns and many beamed notes.

65

69

rall.

♩=120 With muted intensity

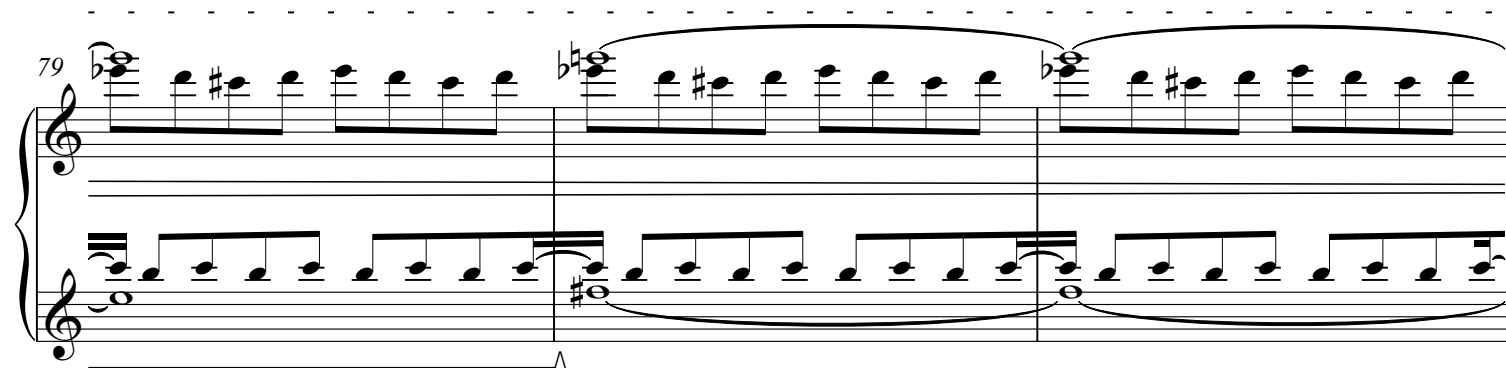
73

pp subito

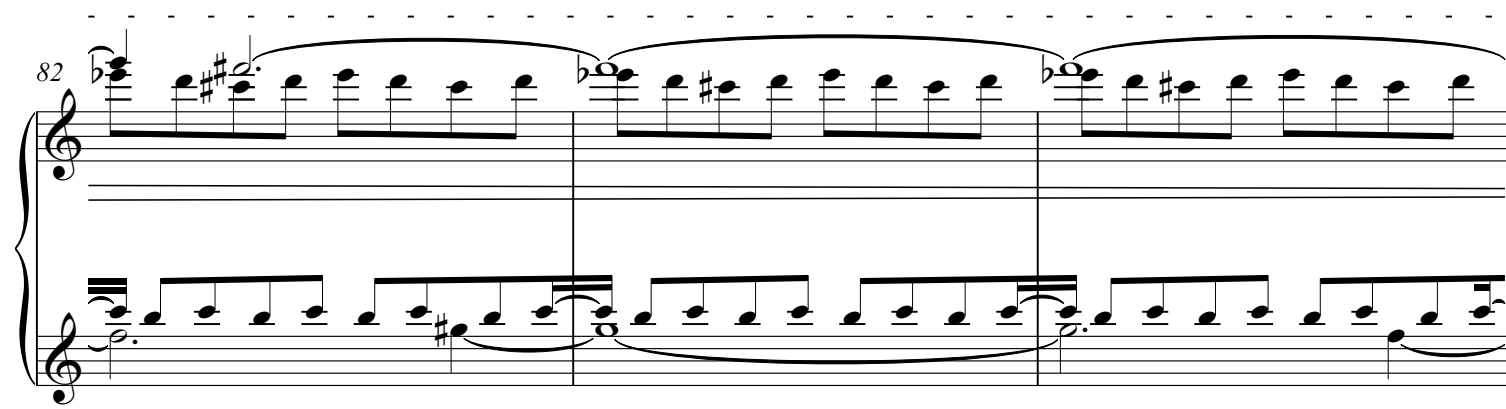
76

rit.

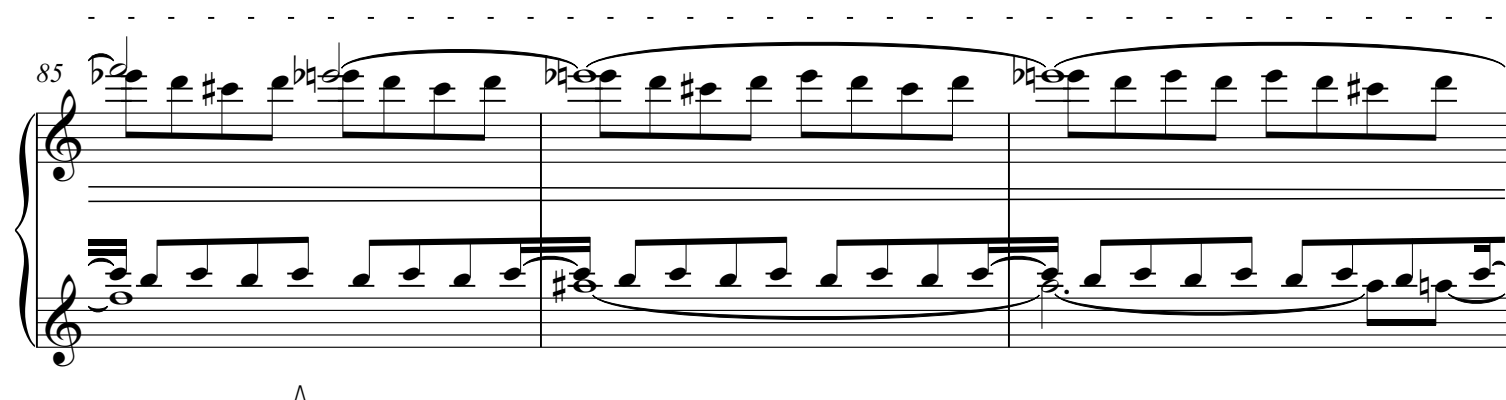
79



82

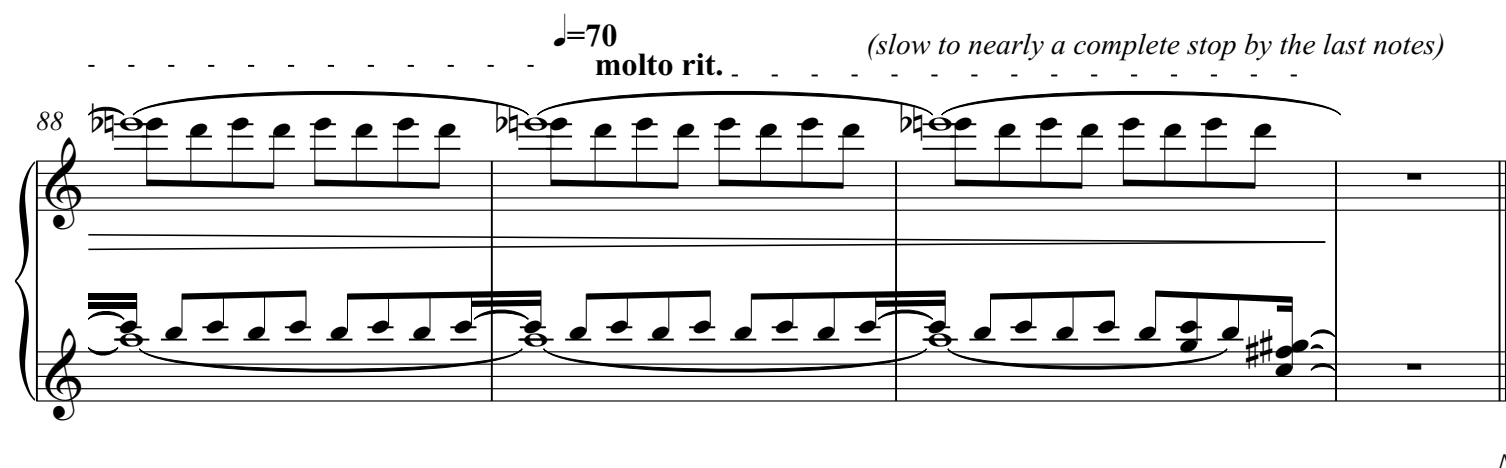


85



88

$\text{♩} = 70$
molto rit. (slow to nearly a complete stop by the last notes)



7. Saturn

Particles, Fragments, Luminous Rings

Playfully, Brilliantly ♩=160

1

mp *mf* *p* *mf*

Ped.

5

p *mf* *pp*

Ped.

9

p *mf* *f*

Ped.

More Intensely ♩=136

14

mf *f* *mf* *f*

Ped.

18 *mp* *pp* *p* *accel.* *Ped.*

22 *mp* *Brilliantly* ♩=160

26 *mf* *pp subito* *mf subito* *p subito*

31 *mp* *f* *p* *f* *Explosively* ♩=160 (♩=320)

♩=120 More Subdued

♩=160 Luminously

37

pp *mp*

Ped.

8va-----

(8)----- ♩=♩ (♩=80)

43

f *pp* *ppp* *pp*

♩=80 Dramatically accel.

Ped.

(♩=90) accel.

48

mp *mp*

(♩=110) accel.

3 3 3 3

(♩=144)

52

3 3

$\text{♩}=80$ Suddenly much slower $\text{♩}=70$ Unhurried, Relaxed

ff *pp*

Ped.

$\text{♩}=80$ Relaxed, Effortless

ff *pp*

ff *pp*

62 *tr*

ppp

♩=80 Intense, Precise

67

ppp

♩=80 Jauntily

69

p cresc poco a poco

Ped.

(right hand only)

71

Ped.

73

Ped.

75

Ped.

77

$\text{♩} = 160$ Energetically

mp subito

Ped.

79

8va

mf

Ped.

83

mp

ppp

Ped.

87

p

3

3

5

5

Ped.

$\text{♩} = 140$ ($\text{♩} = 280$) Aggressively

90

mf

Ped.

93

mf

Ped.

96

mf

Ped.

100

pp

8^{va}

♩=70 (♩=140) Precisely, playfully
accel.

106

mppp subito mp p

mp p

108

mp pp mf

Ped.

(♩=186) Episodically ♩=80 (♩=160)

110

pp

112

p *mf* *mp*

Ped. \triangle

115

p *mf* *mp*

mf Ped. \triangle

118

mp *f* *mp*

Ped. \triangle

120

mp *mf* *mp* *cresc. poco a poco (to m. 199)*

Ped. \triangle

rit.

123

3 3 3 3 3 3

Ped. Ped. (♩=44)

125

5 3 3 3 3 3 3 3

Ped. Ped. Ped.

Dazzlingly ♩=176

127

(cresc.)

Ped. Ped. Ped. Ped.

131

8va--

135

8va-7

8va

8va-7

8va-7

Measures 135-138. The music is in 7/8 time. Measure 135 starts with a treble clef and a key signature of two sharps (F# and C#). The bass line has a 7/8 time signature. Measures 136-138 have a 4/4 time signature. The piece concludes in 5/8 time. The notation includes various chords, arpeggios, and melodic lines with slurs and ties. Dynamic markings include accents (>) and a forte (f) marking in measure 136.

139

8va-7

8va-7

ff

f

dim.

Measures 139-142. The music is in 5/8 time. Measure 139 starts with a treble clef and a key signature of two flats (Bb and Eb). The bass line has a 5/8 time signature. Measures 140-142 have a 2/4 time signature. The notation includes various chords, arpeggios, and melodic lines with slurs and ties. Dynamic markings include fortissimo (ff) in measure 139, forte (f) in measure 140, and a diminuendo (dim.) in measure 141.

143

mf

Measures 143-147. The music is in 2/4 time. Measure 143 starts with a treble clef and a key signature of two flats (Bb and Eb). The bass line has a 2/4 time signature. The notation includes various chords, arpeggios, and melodic lines with slurs and ties. A mezzo-forte (mf) dynamic marking is present in measure 143.

148

mp

morendo poco a poco

Measures 148-152. The music is in 2/4 time. Measure 148 starts with a treble clef and a key signature of two flats (Bb and Eb). The bass line has a 2/4 time signature. The notation includes various chords, arpeggios, and melodic lines with slurs and ties. A mezzo-piano (mp) dynamic marking is present in measure 148. The piece concludes with the instruction "morendo poco a poco" (fading away little by little).

153

159

Delicately $\text{♩}=50$
poco rit..

Slightly Faster $\text{♩}=60$ ($\text{♩}=120$)

pp *pp legato*

164

Faster $\text{♩}=178$
rit..

Ped.

168

Dying Away $\text{♩}=80$ Faster $\text{♩}=178$

rit..

pp *dim.* *ppp*

Dying (much slower)

Ped.

8. Venus

Beneath a Veil of Acid Clouds

1 Aggressively ♩=140

Measures 1-2 of the piece. The music is in a 4+4+3 time signature, marked *f* (forte). The right hand features a series of eighth notes, while the left hand plays a steady eighth-note accompaniment. A dashed line indicates a pedaling instruction (Ped.) spanning measures 1 and 2.

Measures 3-4 of the piece. The time signature changes to 5+5. The music is marked *f subito* (suddenly forte). The right hand continues with eighth notes, and the left hand plays a steady eighth-note accompaniment. A dashed line indicates a pedaling instruction (Ped.) spanning measures 3 and 4.

Measures 5-6 of the piece. The time signature changes to 5+3. The music is marked *f subito* (suddenly forte). The right hand continues with eighth notes, and the left hand plays a steady eighth-note accompaniment. A dashed line indicates a pedaling instruction (Ped.) spanning measures 5 and 6.

Measures 7-8 of the piece. The time signature changes to 5+3+3. The music is marked *f subito* (suddenly forte). The right hand continues with eighth notes, and the left hand plays a steady eighth-note accompaniment. A dashed line indicates a pedaling instruction (Ped.) spanning measures 7 and 8. The piece concludes with a final measure marked *più f cresc.* (more forte, crescendo).

8

12/16 12/16

3+4+2+2

10

9/8 9/8

4/4

ff

Ped.

12

4/4 4/4

f subito

mf

Ped.

14

4/4 4/4

8+7+8 8+7+8

mp

f

Ped.

16

8va

f

Ped.

Detailed description: This system contains measures 16, 17, and 18. The music is written in bass clef with a key signature of one sharp (F#). Measure 16 has a time signature of 4+3+3 over an 8va. Measures 17 and 18 have a time signature of 4+5 over an 8va. The music features a series of chords and single notes, with a forte (*f*) dynamic. A dashed line indicates an 8va. A pedal point (Ped.) is marked at the end of the system.

18

cresc.

Ped.

Detailed description: This system contains measures 18 and 19. The music is written in bass clef with a key signature of one sharp (F#). Measure 18 has a time signature of 5+4+3 over an 8va. Measure 19 has a time signature of 5+5+7+7 over a 16va. The music features a series of chords and single notes, with a crescendo (*cresc.*) dynamic. A dashed line indicates an 8va. A pedal point (Ped.) is marked at the end of the system.

19

8va

16va

Ped.

Detailed description: This system contains measures 19 and 20. The music is written in treble clef with a key signature of one sharp (F#). Measure 19 has a time signature of 5+5+7+7 over a 16va. Measure 20 has a time signature of 5+5+7+7 over a 16va. The music features a series of chords and single notes, with a dashed line indicating an 8va. A pedal point (Ped.) is marked at the end of the system.

20

Allegro ♩=130

mp *cresc. poco a poco (to m. 47)*

fff

Ped.

Detailed description: This system contains measures 20 and 21. The music is written in treble and bass clef with a key signature of one sharp (F#). Measure 20 has a time signature of 4/4. Measure 21 has a time signature of 4/4. The music features a series of chords and single notes, with a mezzo-piano (*mp*) dynamic and a crescendo (*cresc. poco a poco*) leading to a fortissimo (*fff*) dynamic. A dashed line indicates an 8va. A pedal point (Ped.) is marked at the end of the system.

23

Ped.

26

mp

29

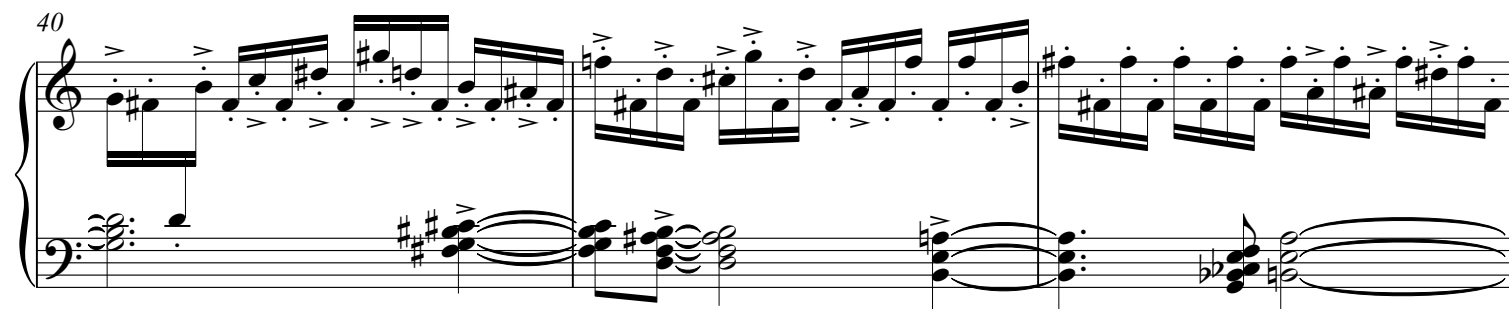
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35

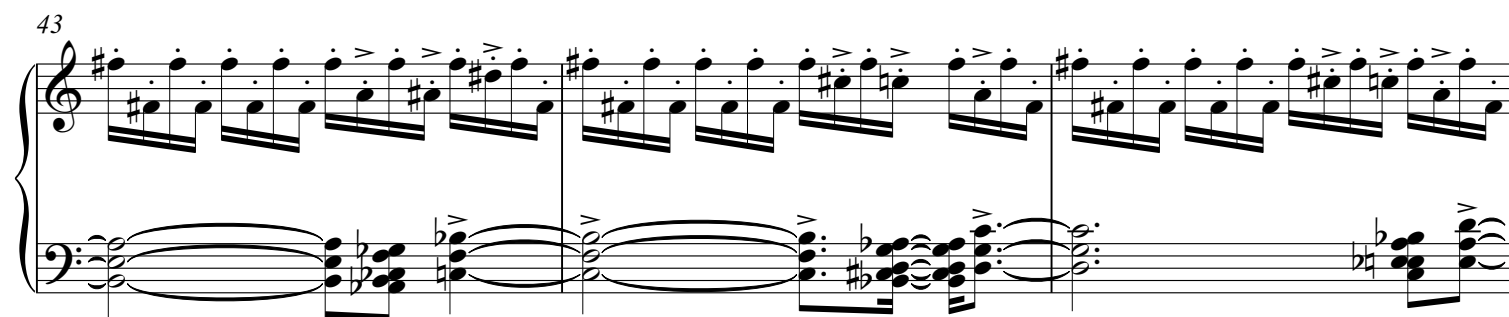
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40



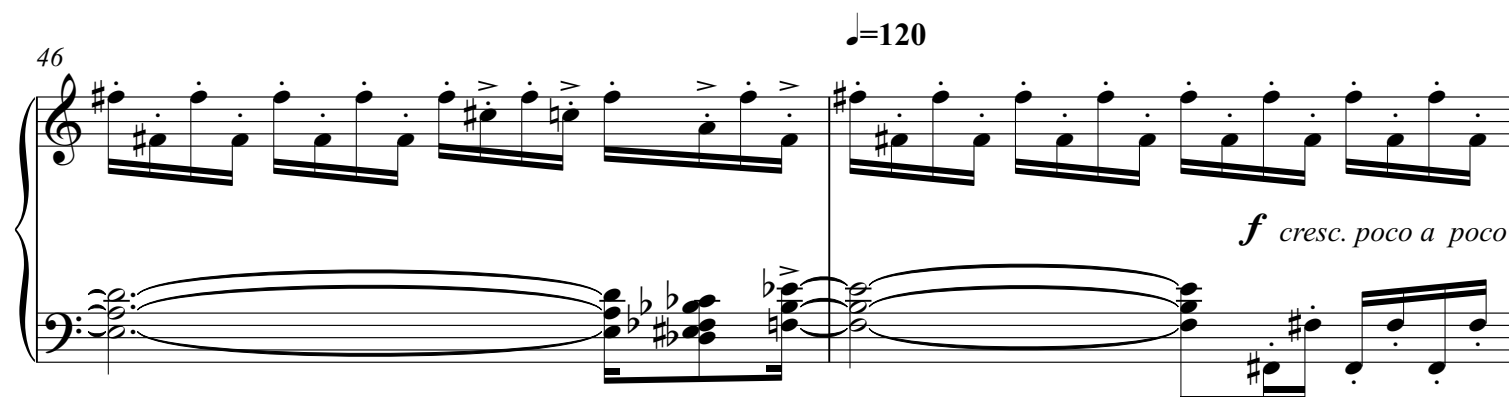
43



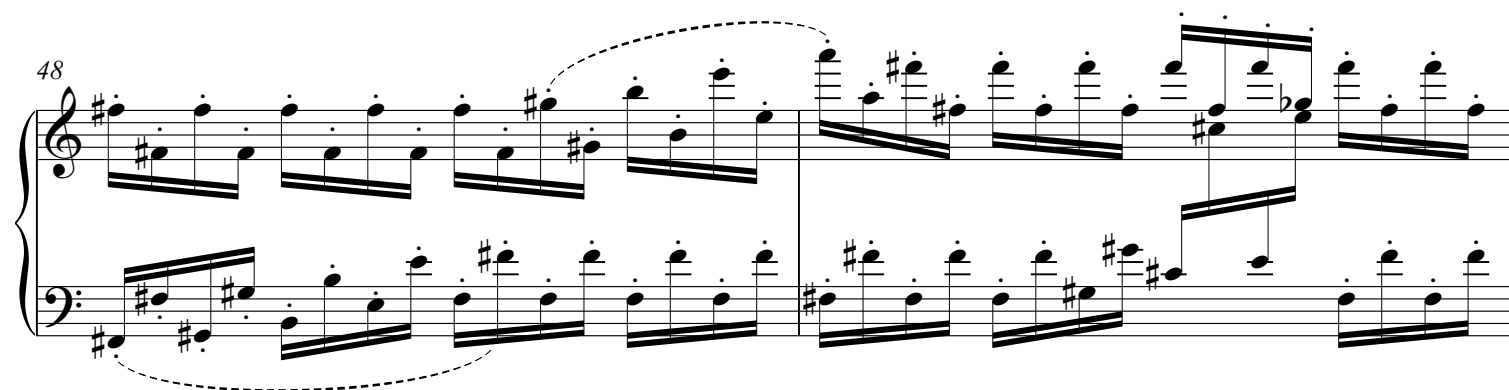
46

$\text{♩} = 120$

f cresc. poco a poco



48



Measures 50 and 51 of a musical score. The piece is in D major (one sharp). Measure 50 features a treble staff with a series of eighth-note chords and a bass staff with a steady eighth-note accompaniment. Measure 51 continues the treble staff's melodic line with some chromaticism and maintains the bass accompaniment.

Measures 52 and 53. Measure 52 begins with a forte (*ff*) dynamic marking. The treble staff continues with eighth-note chords, while the bass staff has a more active line with eighth notes and some rests. Measure 53 shows a continuation of these patterns with some chromatic movement in the treble.

Measures 54, 55, and 56. Measure 54 starts with a *dim.* (diminuendo) marking. The treble staff has a melodic line of eighth notes, and the bass staff has a line of eighth notes with some ties. Measure 55 features a treble staff with a melodic line and a bass staff with sustained chords. Measure 56 continues the treble staff's melody and the bass staff's sustained accompaniment.

Measures 57 and 58. Measure 57 has a mezzo-piano (*mp*) dynamic marking. The treble staff features a melodic line with some rests, and the bass staff has a line of eighth notes. Measure 58 continues the treble staff's melody and the bass staff's accompaniment.

59

61

rit.

dim. (to m. 70)

Ped. _____

(both staves) rit.

63 *8va*

66 (8)

$\text{♩} = 90$ with slightly shifting tempo

(both staves)

69 (8)

15^{ma}

p *dim. (to end)*

69 70 71

72 (15)

72 73 74 75

75 (15)

75 76

77 (15)

pppp

77 78 79 80

9. Earth

Life

1 Freely ♩=46 accel. ♩=80 accel. (♩=104) rit. (♩=80) accel.

7 (♩=104) rit. (♩=80) accel. (♩=104) rit.

12 (♩=80) accel. (♩=104) rit. (♩=80) accel. (♩=104) rit.

17 (♩=80) accel. ♩=104

22 $\text{♩} = 154$ $\text{♩} = 126$
 7: ♩ molto accel. rit. molto accel.
 3 *mf* *poco dim.* 3

26 $\text{♩} = 172$ $\text{♩} = 130$ $\text{♩} = 172$
 rit. accel. rit.
 3 *poco cresc.* 3

31 $\text{♩} = 130$ rit.
 7: ♩ 3 3 3 3 3 3
mf *dim.*

35 $\text{♩} = 100$ (play as if in no particular meter)
 3 3 3 3
molto legato
 3 3 3 3
 8^{va}

37

p

pp

(to m. 85)*

39

42

45

pp

p

48

p

* some pedaling may be appropriate depending on the piano. A "halo" effect is desired in this section more than exact accuracy. Strive to make the notes sound like one multi-textured voice beginning at mm. 56. The harmony of this voice should not become too muddled.

51

3

53

3

pochiss. dim. (to m. 56)

56

pochiss. cresc. (to m. 58 beat 2)

3

58

3

pp

3

60

3

65

67

3

3

69

3

3

cresc. poco a poco (to m. 86)

73

Measures 73-74. Treble and bass staves. Measure 73 features a triplet of eighth notes in both hands. Measure 74 continues the triplet pattern with a key signature change to one sharp (F#).

75

Measures 75-76. Treble and bass staves. Measure 75 features a triplet of eighth notes in both hands. Measure 76 continues the triplet pattern with a key signature change to two sharps (F#, C#).

77

Measures 77-78. Treble and bass staves. Measure 77 features a triplet of eighth notes in both hands. Measure 78 continues the triplet pattern with a key signature change to three sharps (F#, C#, G#).

79

Measures 79-80. Treble and bass staves. Measure 79 features a triplet of eighth notes in both hands. Measure 80 continues the triplet pattern with a key signature change to four sharps (F#, C#, G#, D#).

81

Measures 81-82. Treble and bass staves. Measure 81 features a triplet of eighth notes in both hands. Measure 82 continues the triplet pattern with a key signature change to five sharps (F#, C#, G#, D#, A#).

96 (♩=194) 5: ♩ rit. ♩=148

3

99 5: ♩ accel.

5

104 rit. ♩=148

3 5

108 rit. (♩=112)

4

112

accel. rit. Tranquilly ♩=90

pp 3 3 3 3

115

3 3

117

ppp 3 3 3 3

The performer may tastefully extend ostinato repetitions as desired until gradual release feels finished.

*