

# Single Finger Mode

piano, computer

Simon Bahr  
2020

## About the piece

*Single Finger Mode* is a piece for a pianist and a computer playing together on one piano. Therefore the instrument must be MIDI-capable. The piece is composed algorithmically, which allows the computer to rate the accuracy of the live-performance (pitches, durations, dynamics, etc.) in comparison to the score. With each note it computes a highscore and uses it to generate an accompaniment to the notes played by the performer. The more accurate the computer considers the performance, the more it will be tamed and adjust to the music played. The less accurate the computer considers the performance, the more will it come to live on its own: It likes tonal chords and consonances very much and is always in for a little fun.

## Notes on notation

- Undashed lines below the staffs always refer to the **sustainpedal**. The pedal is also a trigger.
- The notation contains some **apparently absurd elements** (e.g. specific note durations while pedal is down). However, they will be rated by the computer and influence the music in that way.
- Undissolved **accidentals** apply for the rest of the respective bar ("traditional way").
- The notation is an **instruction** on how to "fight" the computer. It is up to the performer to follow it all the way through, in parts or not at all.

*J = 60*

1

2

5

8

6

8

7

p

mp

p

2

8

*mp*

*pp*

*p*

10

*mf pp*

*ppp*

*p* *mf*

12

*p*

*ff*

*p*

*pp*

14

*ppp*

15

*pp* *ppp*

16

Musical score for piano, page 16. The score consists of two staves: treble and bass. The treble staff uses a 2/4 time signature, while the bass staff uses a 4/4 time signature. The music features eighth-note patterns with various dynamics and rests. Measure 16 concludes with a measure rest.

17

Musical score for piano, page 17. The score consists of two staves: treble and bass. The treble staff uses a 2/4 time signature, while the bass staff uses a 4/4 time signature. The music continues the eighth-note patterns from the previous page, maintaining the same dynamic and rhythmic style. Measure 17 concludes with a measure rest.

18

Musical score for piano, page 18. The score consists of two staves: treble and bass. The treble staff uses a 2/4 time signature, while the bass staff uses a 4/4 time signature. The music continues the eighth-note patterns, with a slight change in the bass staff's time signature to 3/4 at the end of the page. Measure 18 concludes with a measure rest.

19

Musical score for piano, page 19. The score consists of two staves: treble and bass. The treble staff uses a 3/4 time signature, while the bass staff uses a 4/4 time signature. The music includes dynamic markings such as *p*, *pp*, and *ppp*. Measure 19 concludes with a measure rest.

20

Musical score for piano, page 20. The score consists of two staves: treble and bass. The treble staff uses a 4/4 time signature, while the bass staff uses a 4/4 time signature. The music continues the eighth-note patterns, with a slight change in the bass staff's time signature to 3/4 at the end of the page. Measure 20 concludes with a measure rest.

21

22

23

24

25

8

27

*p f ff p*

29

*fff mp fff*

32

*ff pp ff f*

35

*pp ff pp*

36

*ff ppp ff f ppp ff ppp fppp*

38

39

41

42

43

8

44

45

46

48

49

50

*p*

51

*p*

52

*p*

53

*p*

54

*p*

55

Musical score for piano, computer. Treble and bass staves. Key signature: one flat. Measure 55 consists of two measures of eighth-note patterns. The first measure starts with a dotted half note followed by eighth-note pairs. The second measure starts with a quarter note followed by eighth-note pairs. The piano part consists of three parallel horizontal lines.

56

Musical score for piano, computer. Treble and bass staves. Key signature: one flat. Measure 56 consists of two measures of eighth-note patterns. The first measure starts with a dotted half note followed by eighth-note pairs. The second measure starts with a quarter note followed by eighth-note pairs. The piano part consists of three parallel horizontal lines.

57

Musical score for piano, computer. Treble and bass staves. Key signature: one flat. Measure 57 consists of two measures of eighth-note patterns. The first measure starts with a dotted half note followed by eighth-note pairs. The second measure starts with a quarter note followed by eighth-note pairs. The piano part consists of three parallel horizontal lines.

58

Musical score for piano, computer. Treble and bass staves. Key signature: one flat. Measure 58 consists of two measures of eighth-note patterns. The first measure starts with a dotted half note followed by eighth-note pairs. The second measure starts with a quarter note followed by eighth-note pairs. The piano part consists of three parallel horizontal lines. Measure 58 ends with a key change to 3/4 time.

59

Musical score for piano, computer. Treble and bass staves. Key signature: one flat. Measure 59 consists of two measures. The first measure is in 3/4 time, starting with a dotted half note followed by eighth-note pairs. The second measure is also in 3/4 time, starting with a dotted half note followed by eighth-note pairs. The piano part consists of three parallel horizontal lines. The dynamic marking *pp* (pianissimo) is placed above the piano staff in the second measure.

60

*ppp pp*

*ppp pp*

61

*ppp*

*pp* *mp*

63

*p* *mp* *p*

*pp* *mp* *f* *p*

64

*f*

*mf*

*ff*

*mf*

*ff*

65

fff *mf* *ff* *fff* *ff* *mf*

66

*ppp* *mp*

8

67

*f* *pp* *pp* *p*

8

68

*pp* *p* *pp* *p*

69

*pp* *p* *pp* *p* *pp* *p*

71

8

73

75

76

77

78

79

81

83

85

87

8

88

89

pp

90

ppp

91

5

92

4

93

94

2

96

98

101

Wait for computer to stop...