Lamberto Coccioli

Touch

piano and live electronics

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Programme Notes

Touch represents an experiment in transparent electronics. I wanted to create a performing environment where technology expands, magnifies and projects the musical gestures of the performer. Four identical musical objects are observed from different points of view, each time using a different transformation tool in order to emphasize a different aspect of piano playing: touch, resonance, the harmonic and melodic dimensions.

The performer is completely in control of the technology and external intervention is kept to a minimum. I achieved this by creating an interface that reacts to the nuances of musical performance in a very subtle way. Specific attention has been given to the detection of the attack of the piano sound: the player's touch triggers each time the whole transformation process.

Performance Notes

The performance requires another person to operate the computer and control the sound diffusion.

The electronics consist in a Max software patch available online at https://lambertococcioli.com/touch. The score indicates which "performance environment" needs to be loaded at the beginning of each section.

Technical requirements for the performance (*minimum* requirements in brackets):

- Computer (Mac or PC) running Max software, available at https://cycling74.com/products/max
- 4 in/8 out audio interface (*4 in/4 out*)
- 1 small condenser microphone to be placed inside the piano for detection
- 2 condenser microphones or a stereo pair on stands for piano amplification
- 6-point sound diffusion system with 6 speakers placed around the audience: front L/R 1-2, sides L/R 3-4, rear L/R 5-6 (*4-point, front L/R 1-2, rear L/R 3-4*)

Touch

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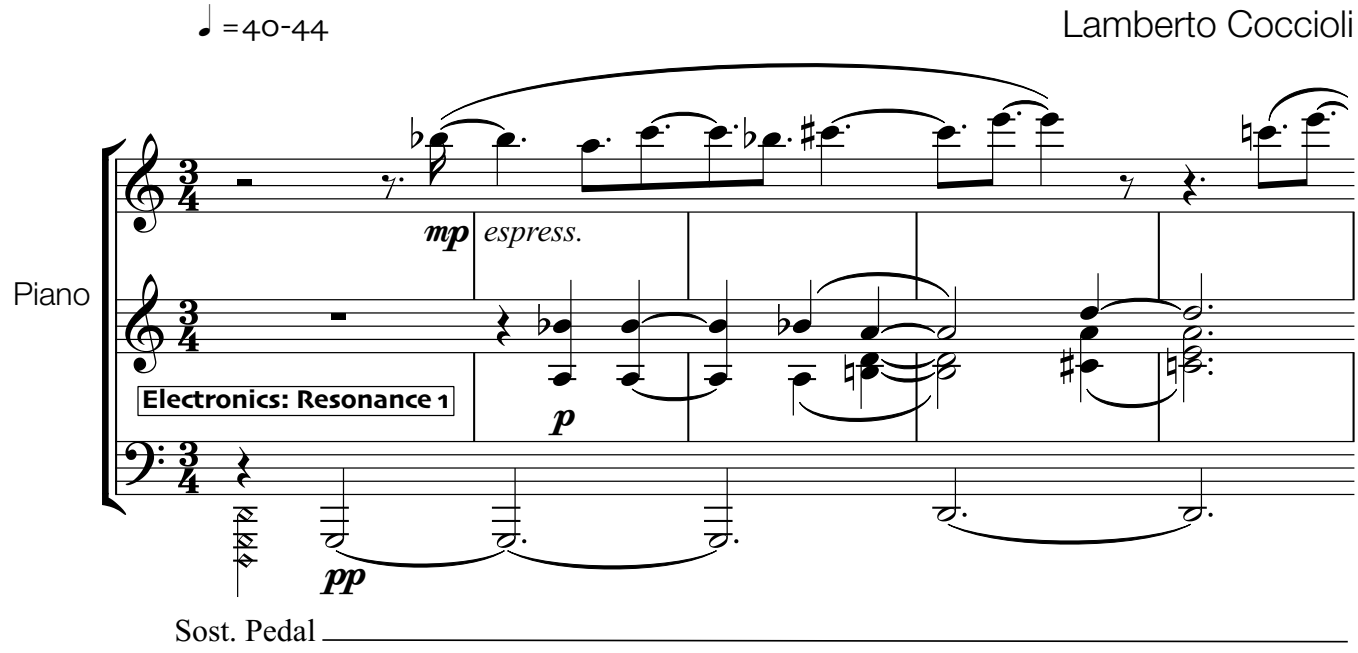

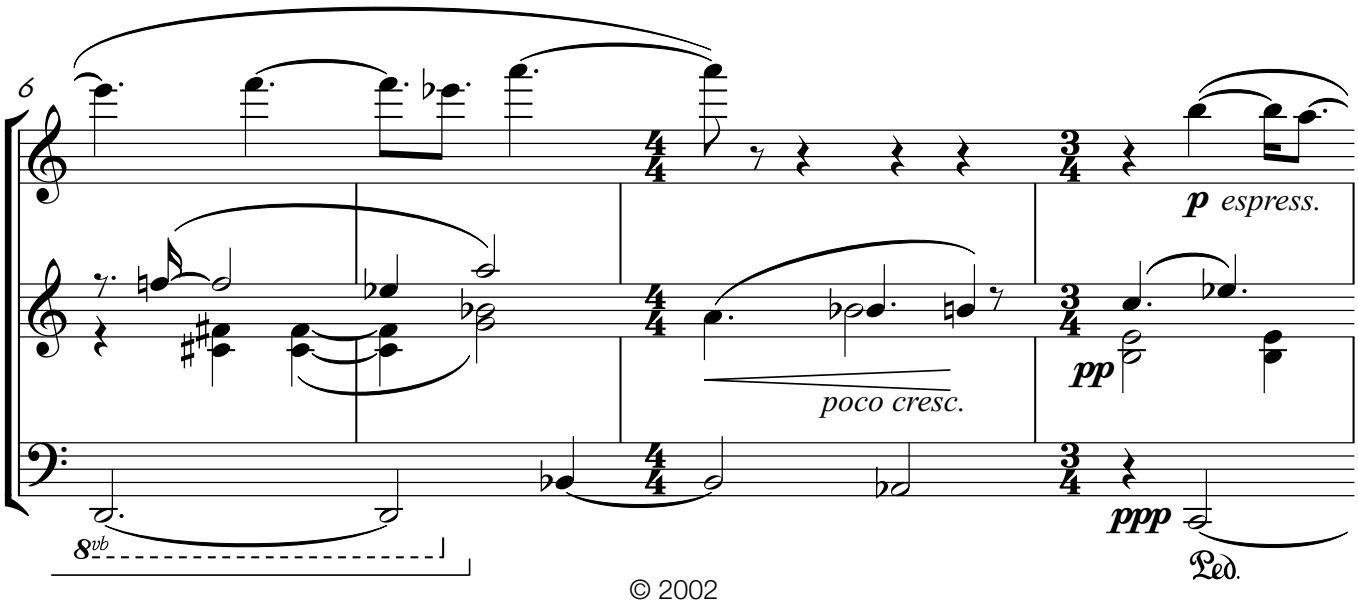

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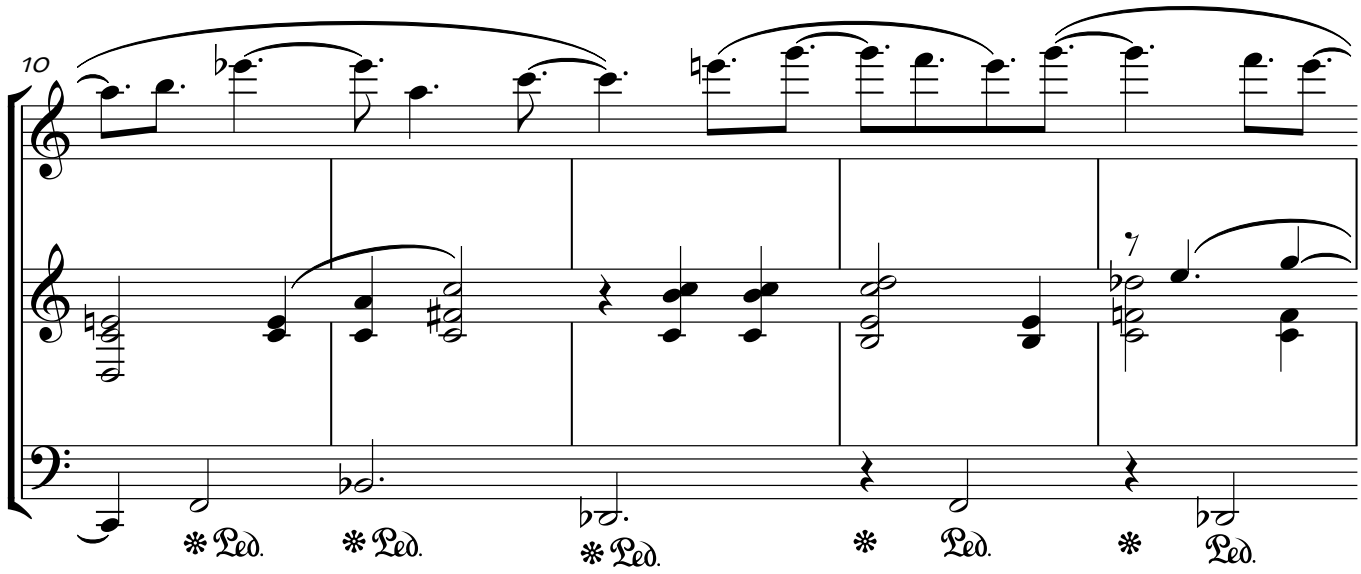
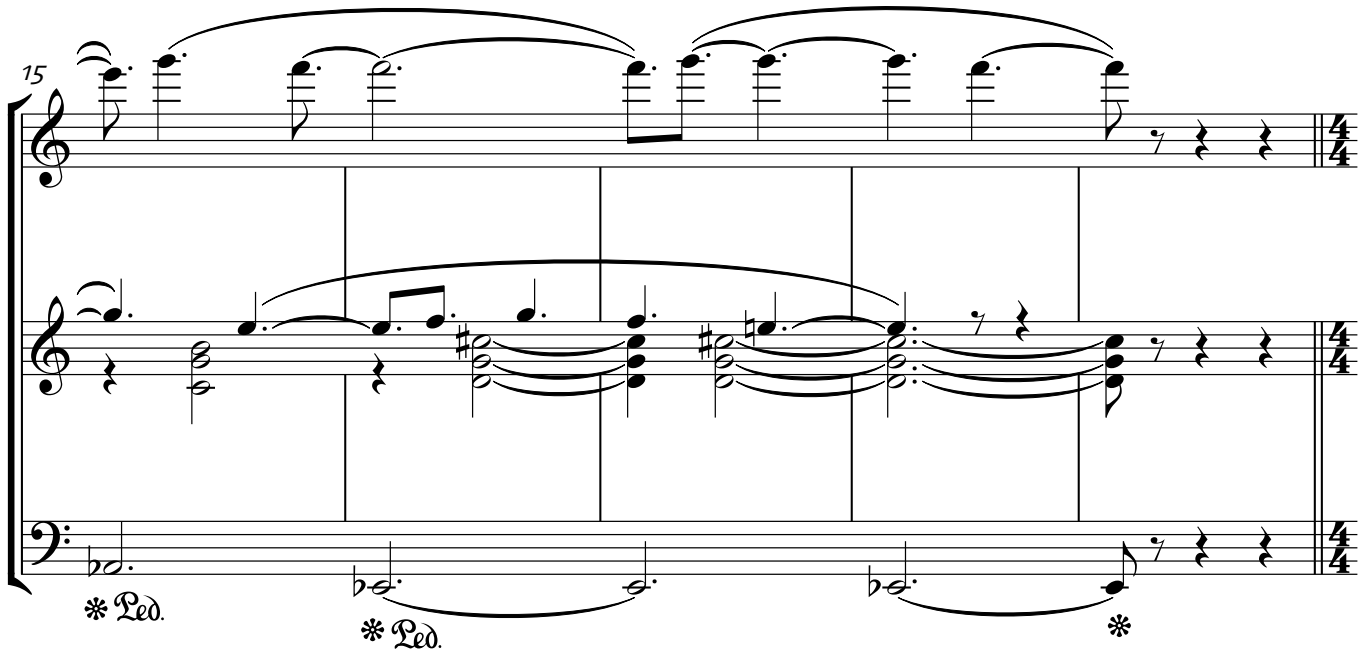
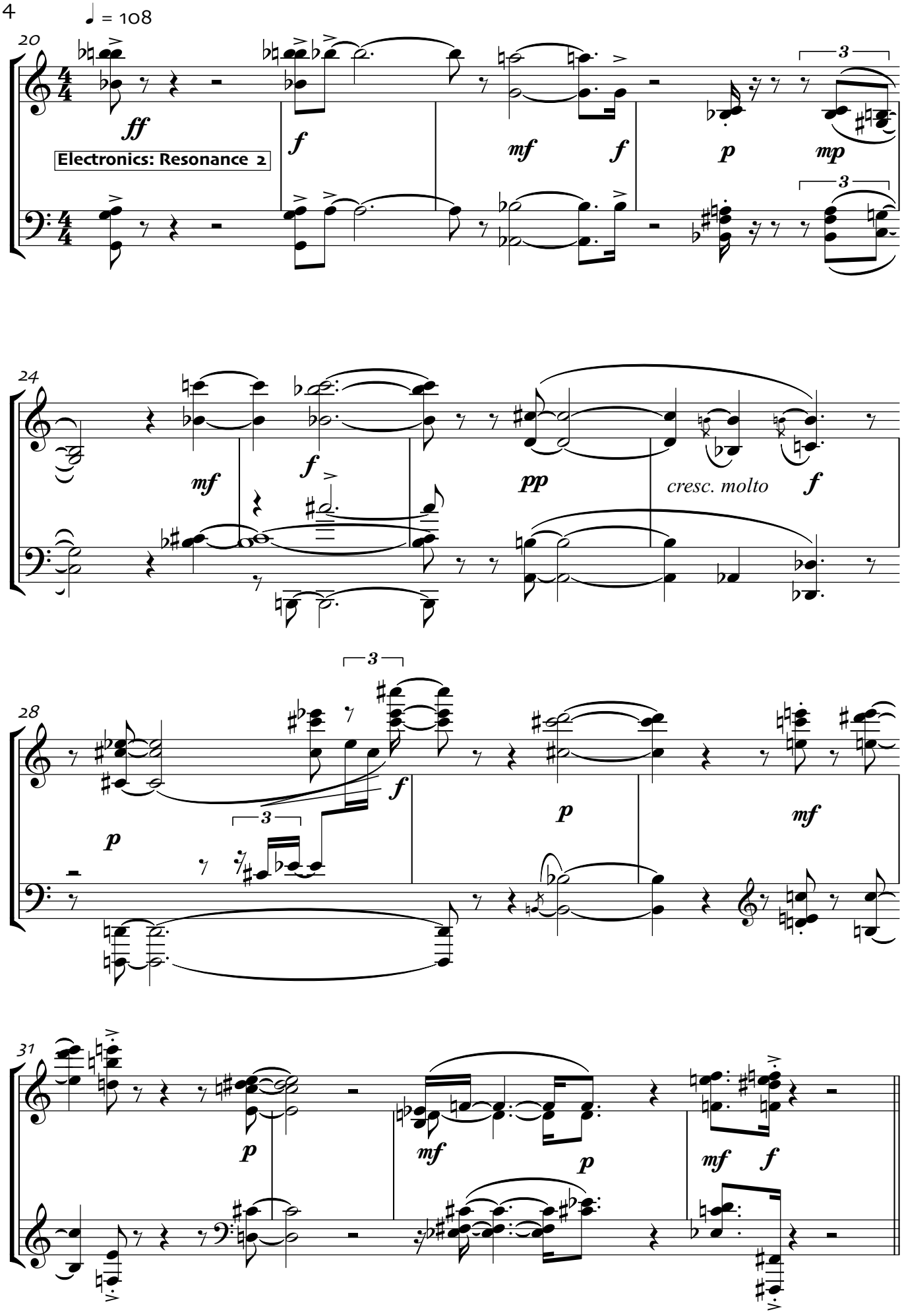
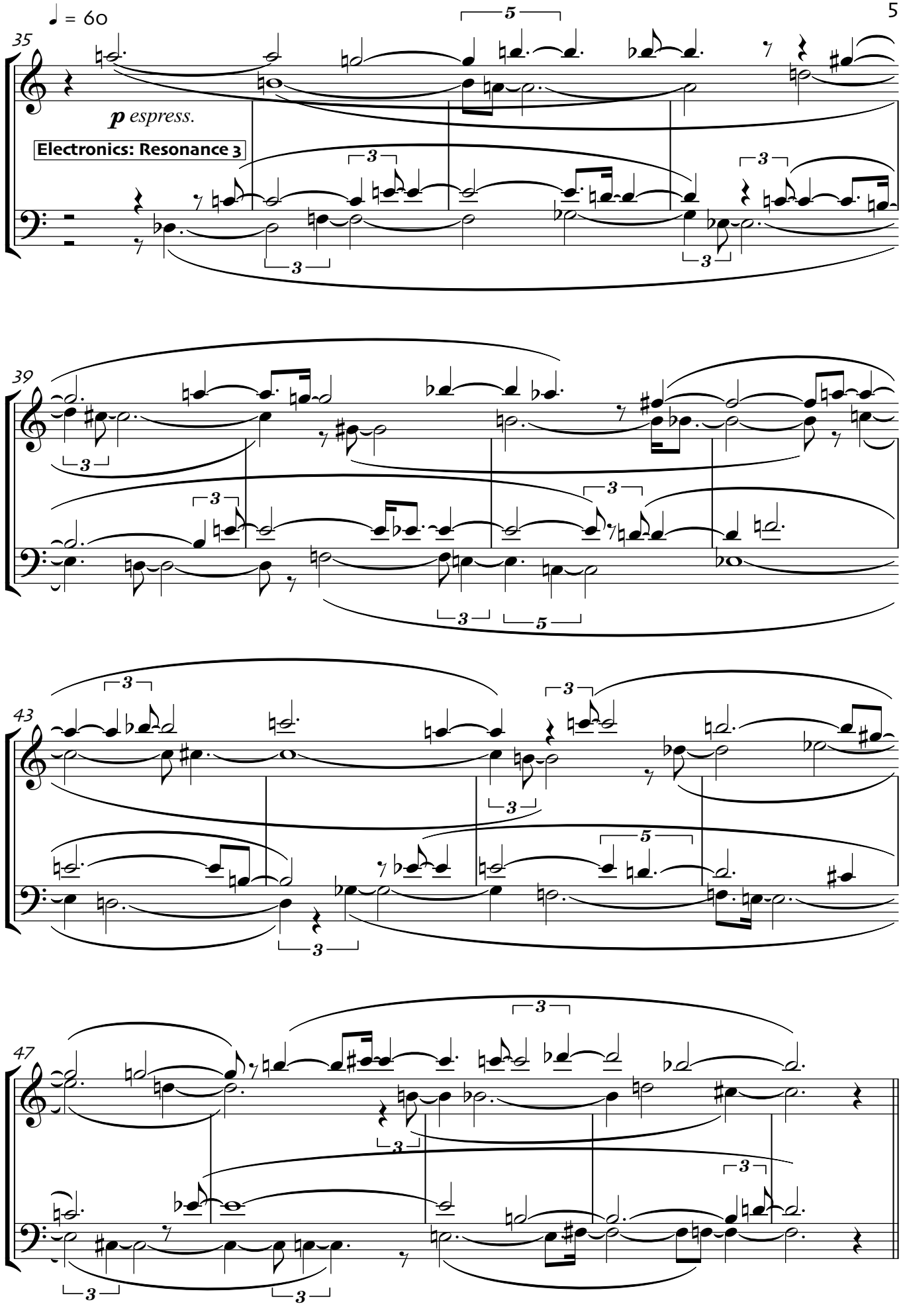
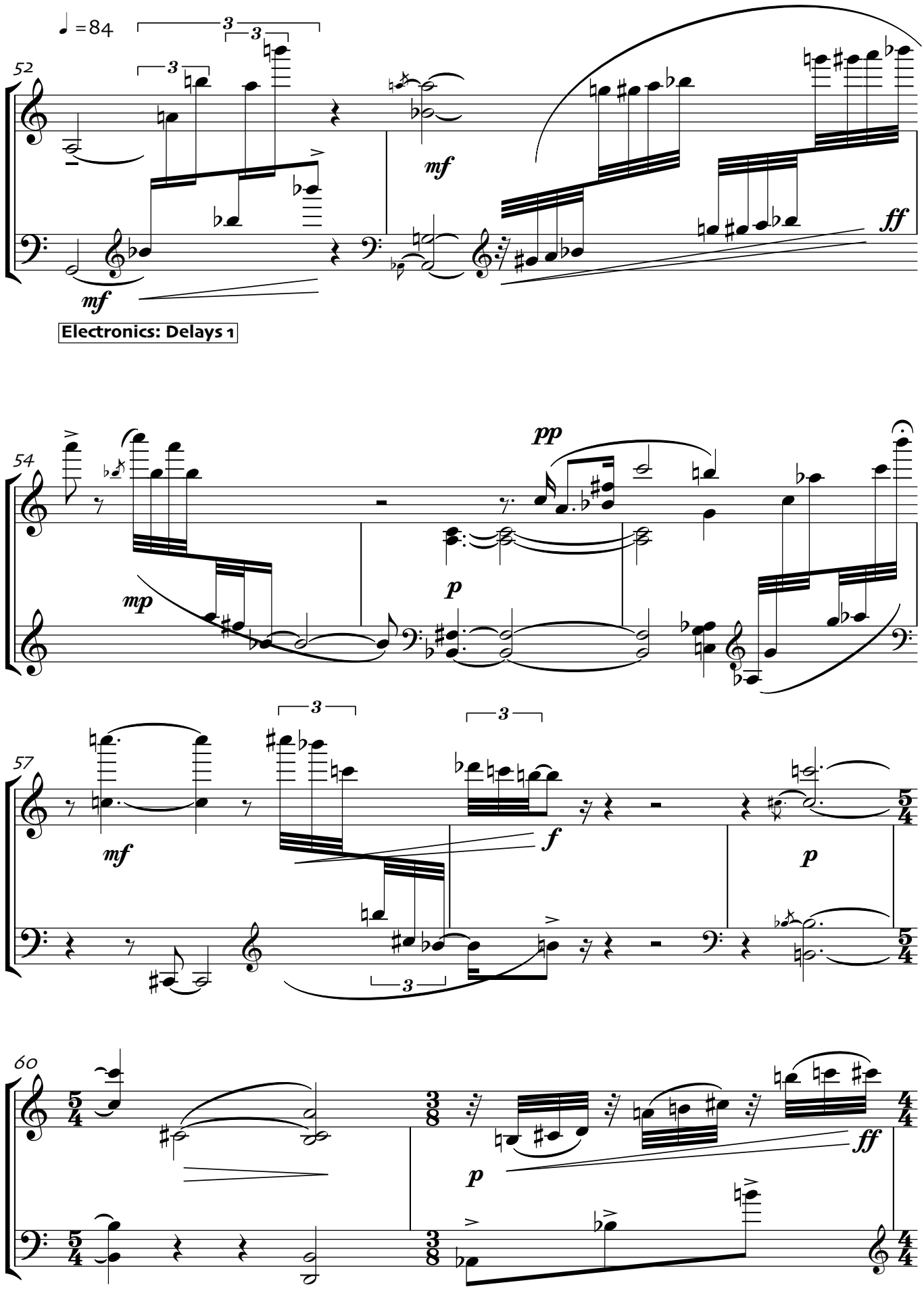
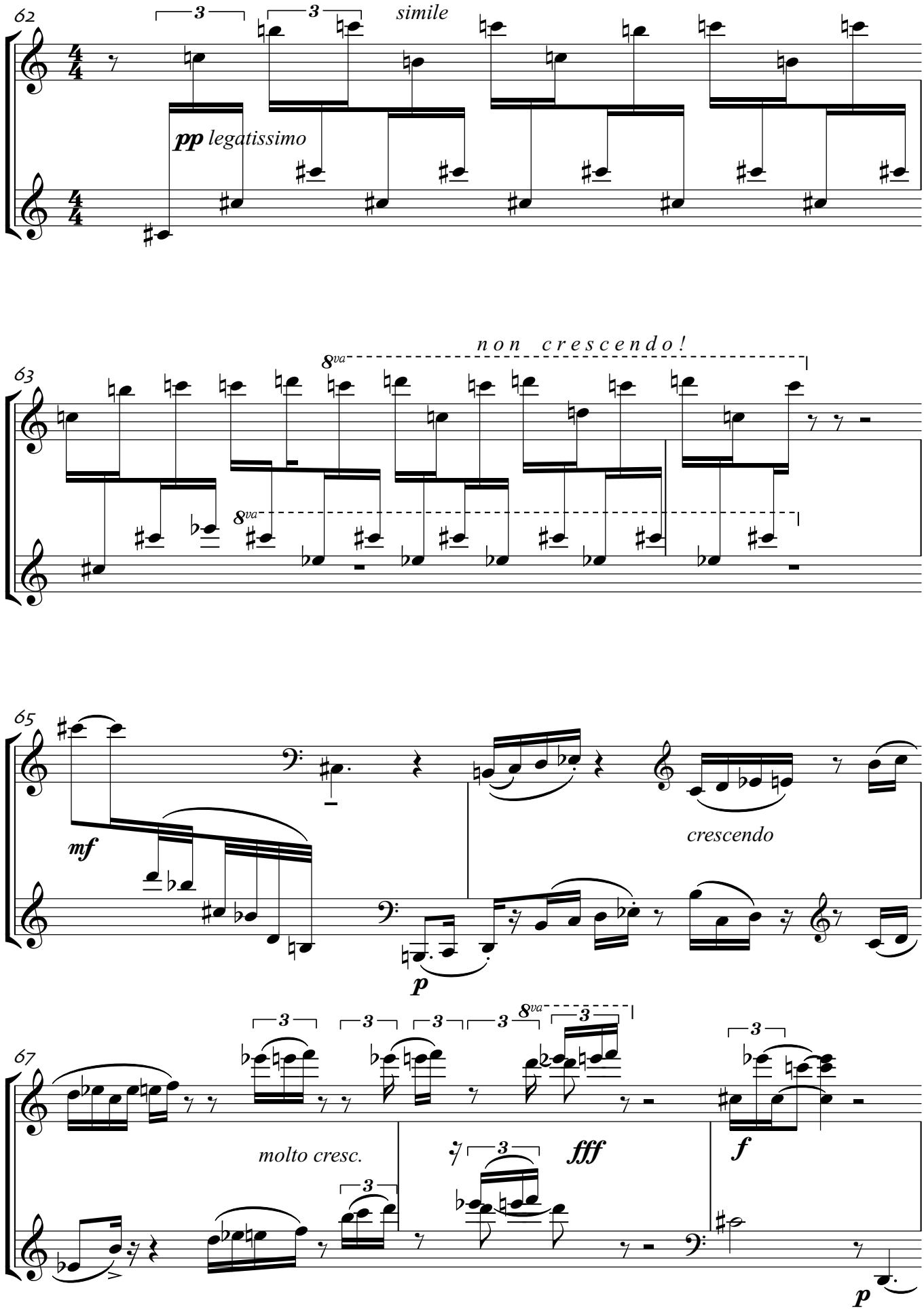

10
Ped.
Ped.
Ped.
Ped.
Ped.

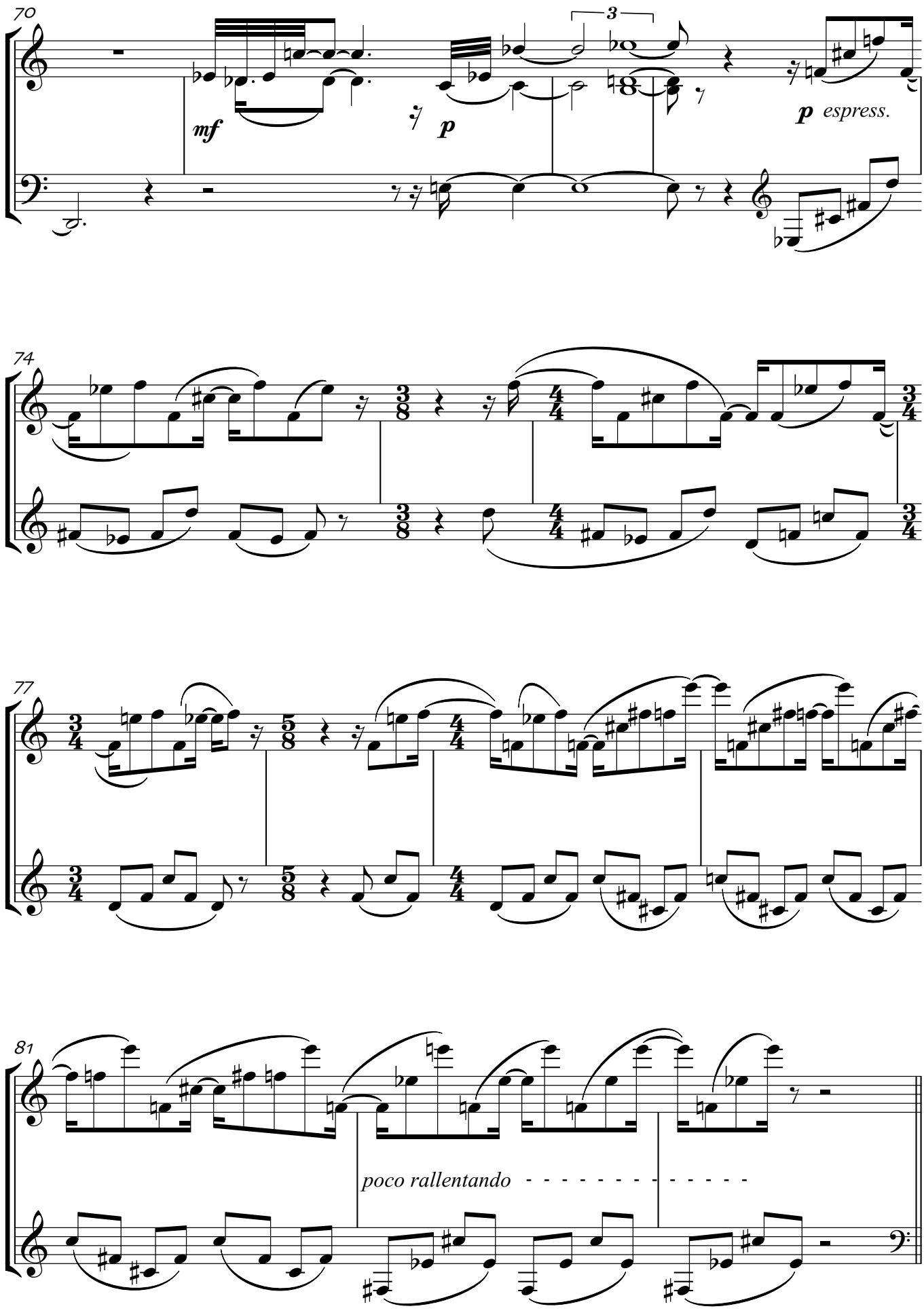

15
Ped.
Ped.

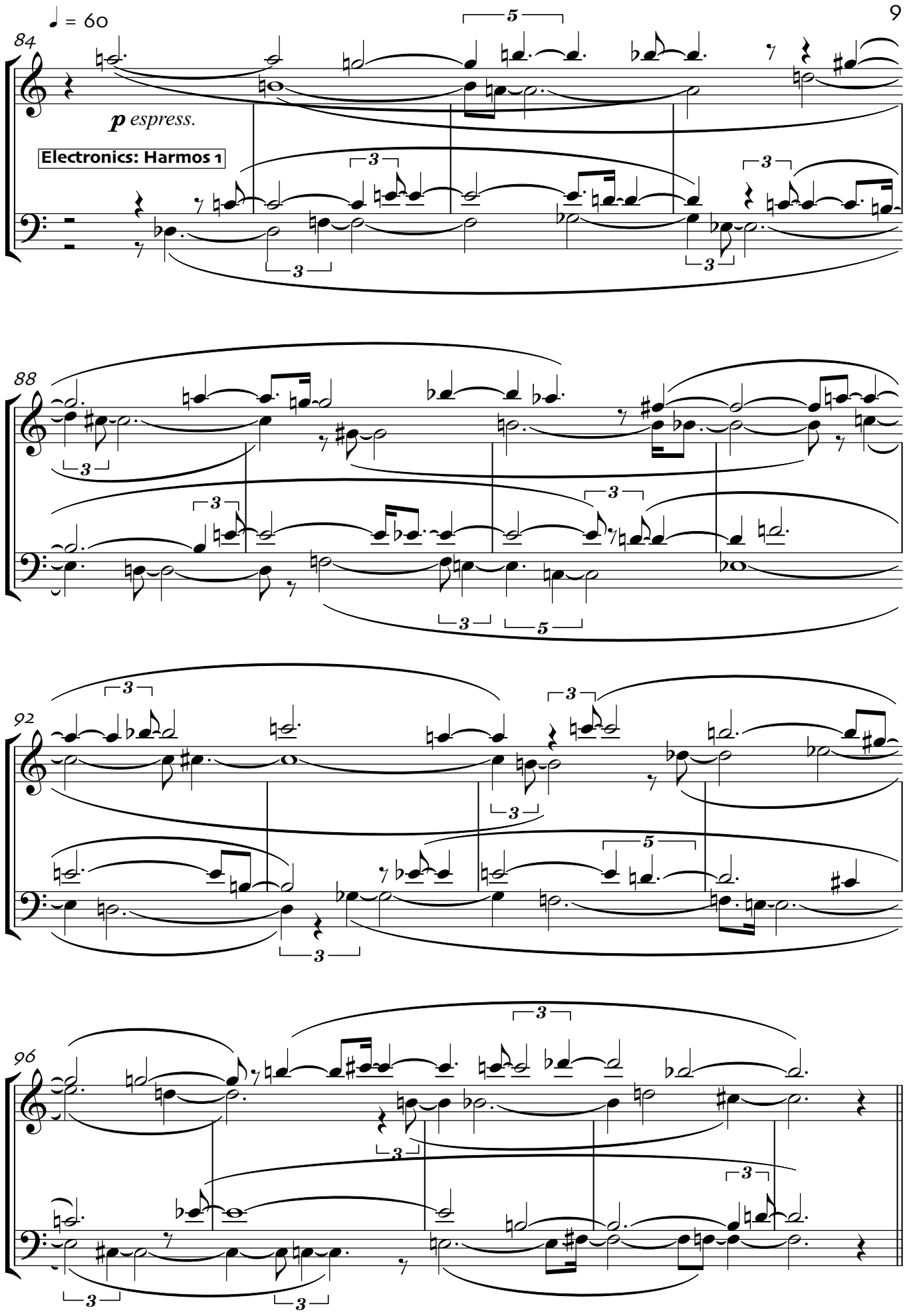

♩ = 108
20
ff
f
mf
f
p
mp
3
Electronics: Resonance 2
24
mf
f
pp
cresc. molto
f
28
p
3
f
p
mf
31
p
mf
p
mf
f

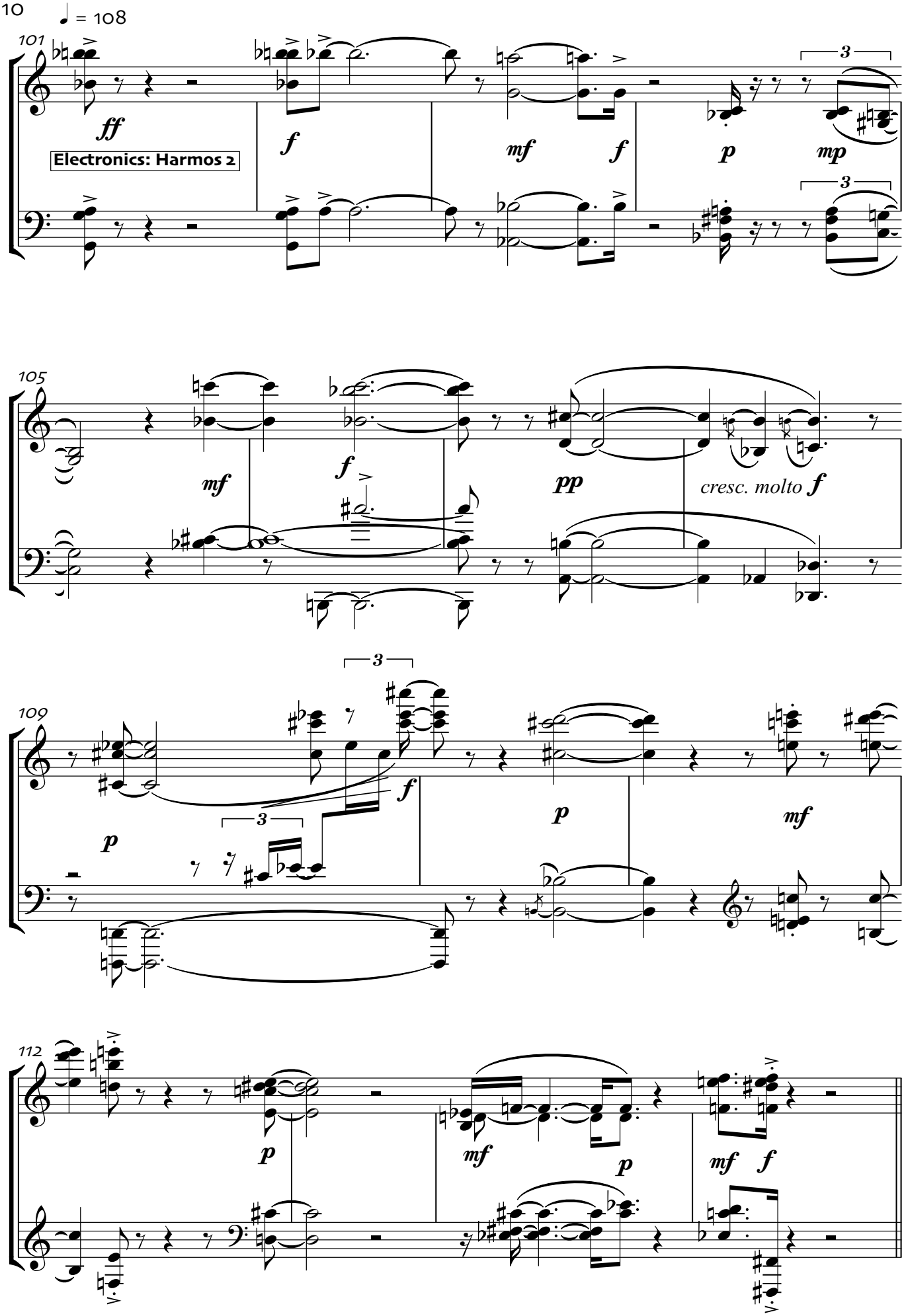

♩ = 60
35
p espress.
Electronics: Resonance 3
39
43
47

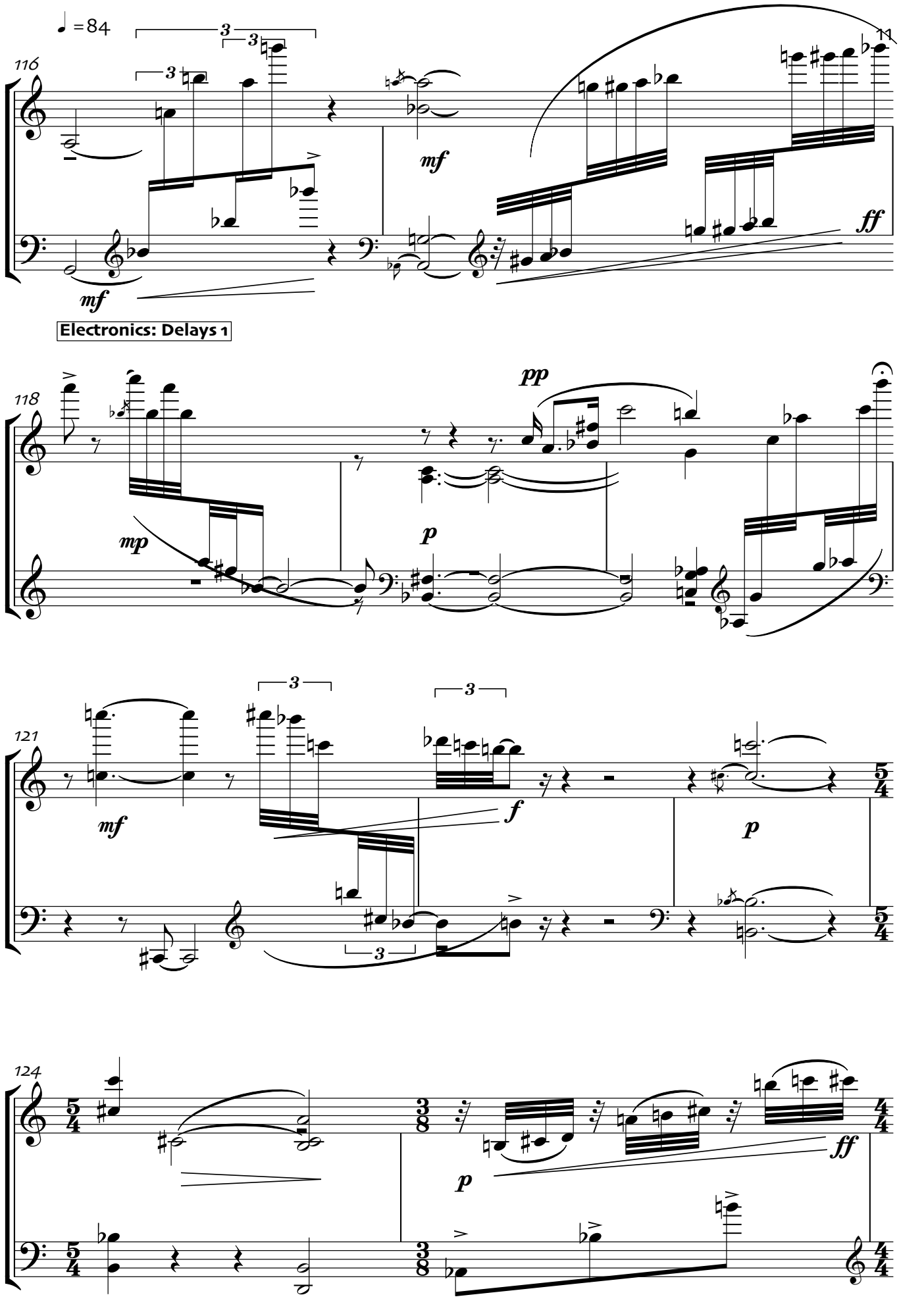

♩=84
52
mf
mf
ff
Electronics: Delays 1
54
mp
pp
p
57
mf
f
p
60
p
ff

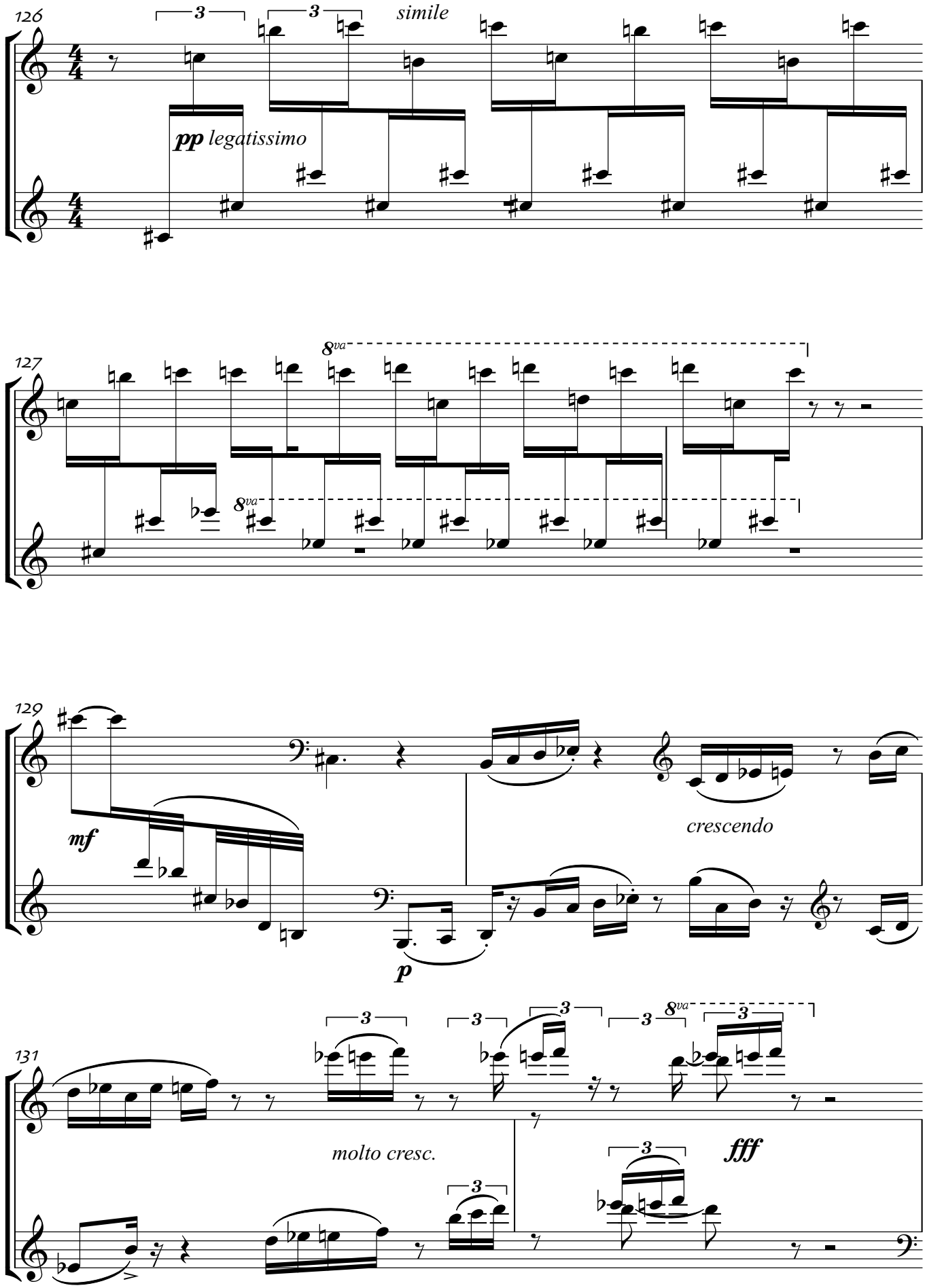

62
simile
pp legatissimo
63
non crescendo!
8va
8va
65
mf
crescendo
p
67
molto cresc.
fff
f
p

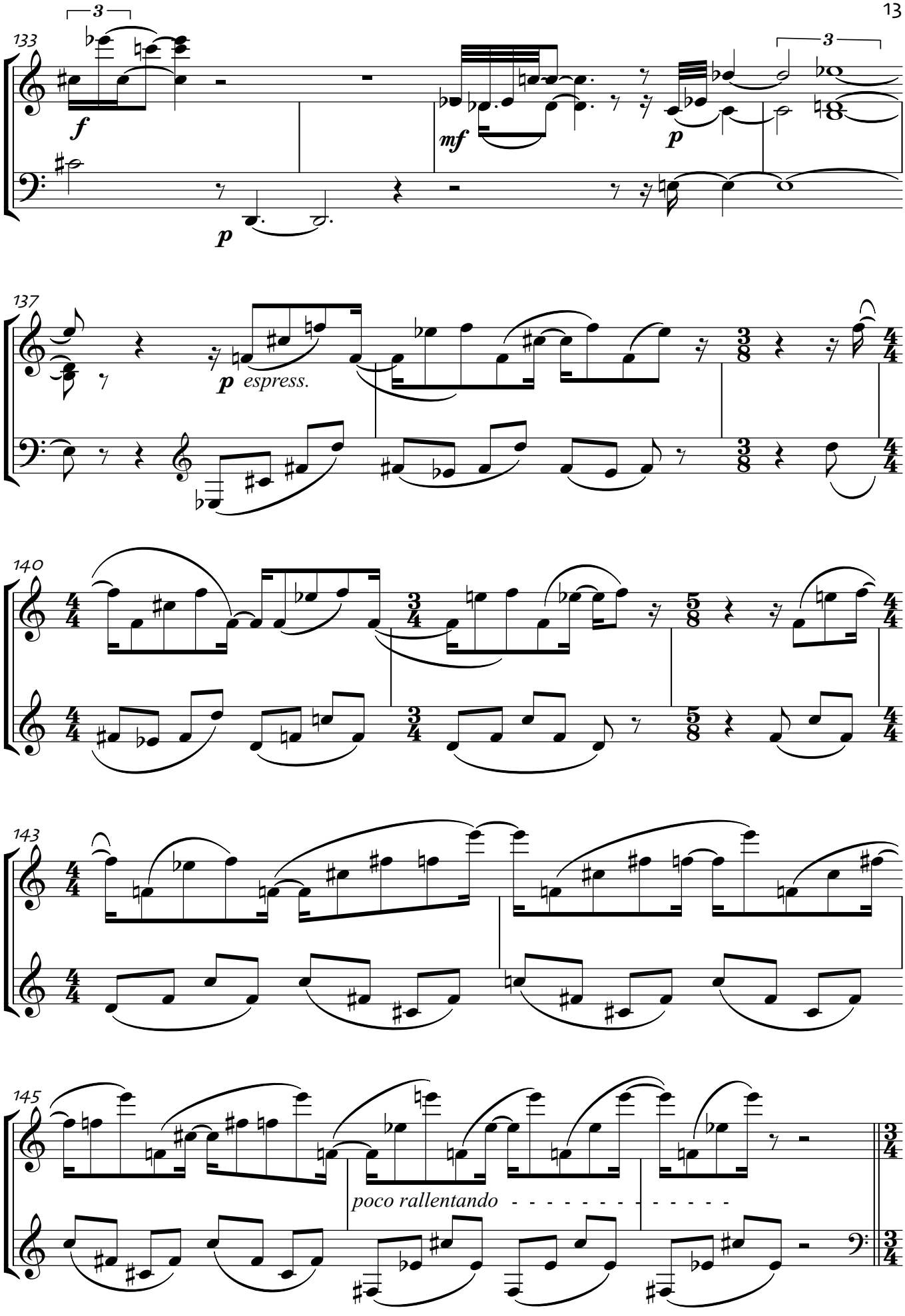

70
mf
p
3
p espress.
74
77
81
poco rallentando

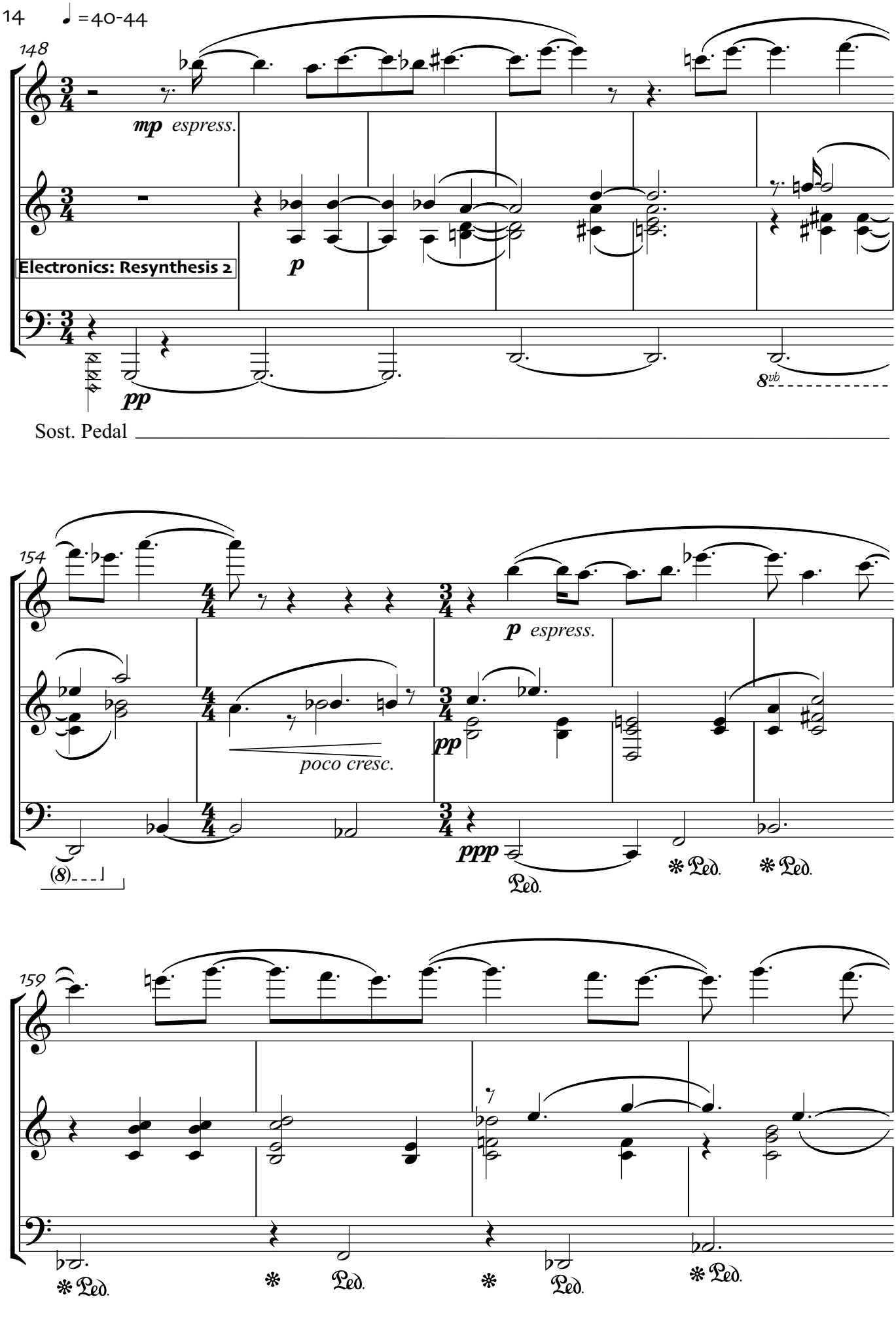

♩ = 60
84
p espress.
Electronics: Harmos 1
88
92
96

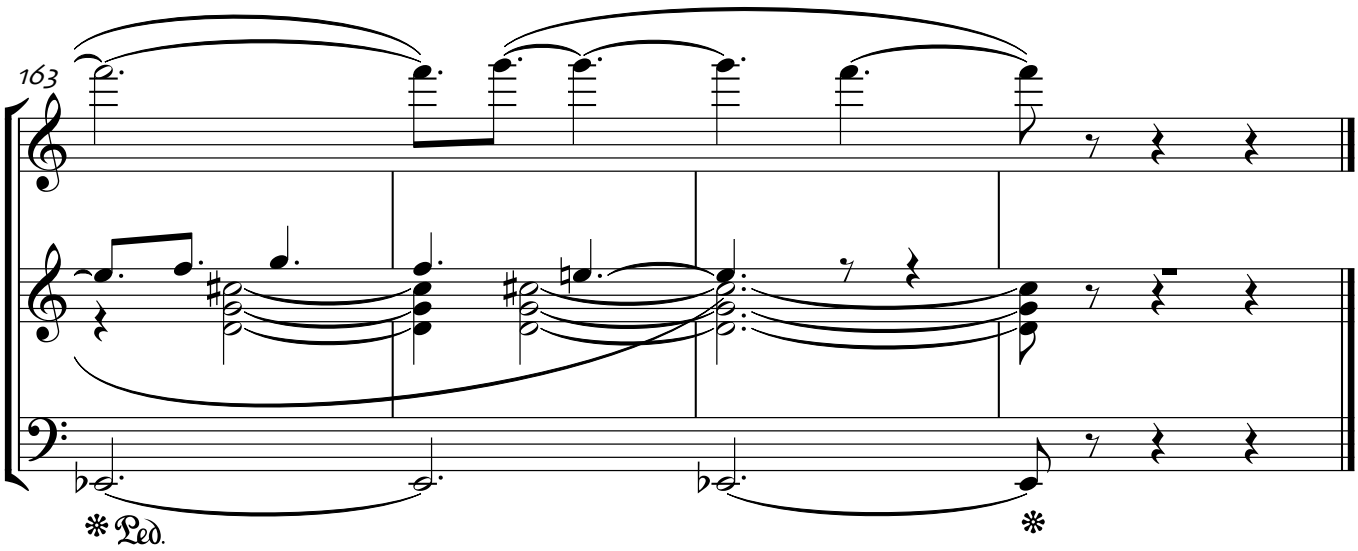

♩ = 108
101
ff
Electronics: Harmos 2
f
mf
f
p
mp
3
105
mf
f
pp
cresc. molto f
109
p
3
f
p
mf
112
p
mf
p
mf f


♩ = 84
116
mf
mf
ff
Electronics: Delays 1
118
pp
mp
p
121
mf
f
p
124
p
ff


126
simile
pp legatissimo
127
8va
8va
129
mf
crescendo
p
131
molto cresc.
fff
8va


133
3
f
mf
p
3
p
137
p espress.
3/8
4/4
140
4/4
3/4
5/8
4/4
143
4/4
145
poco rallentando
3/4
3/4


♩=40-44
148
mp espress.
p
Electronics: Resynthesis 2
pp
8vb
Sost. Pedal
154
p espress.
poco cresc.
pp
ppp
(8)
Ped.
159
Ped.


163
Ped.