Ethereal Presense

for Cyberinet

Matthew A. Bardin

2023

MaB Music

Program Note:
It is impossible to do anything in a complete vaccuum. Others affect you, you affect others. Living with this is part of the human condition.

Performance Notes:
Tempi are all generalized. The performer can perform the piece at any desired tempo. Accelerando and Rallentando should still happen at the indicated places, but the amount can vary. The goal is a uniquely paced performance; no two should be identical.

On Notation:
This score uses largely traditional notation. Fermatas and long rests can be held for any duration. Half rests and shorter should be played in tempo.
Bar lines indicate different sections of the work and do not imply a pause as the rests do.
Niente markings should be performed as quietly as possible while still producing pitch.

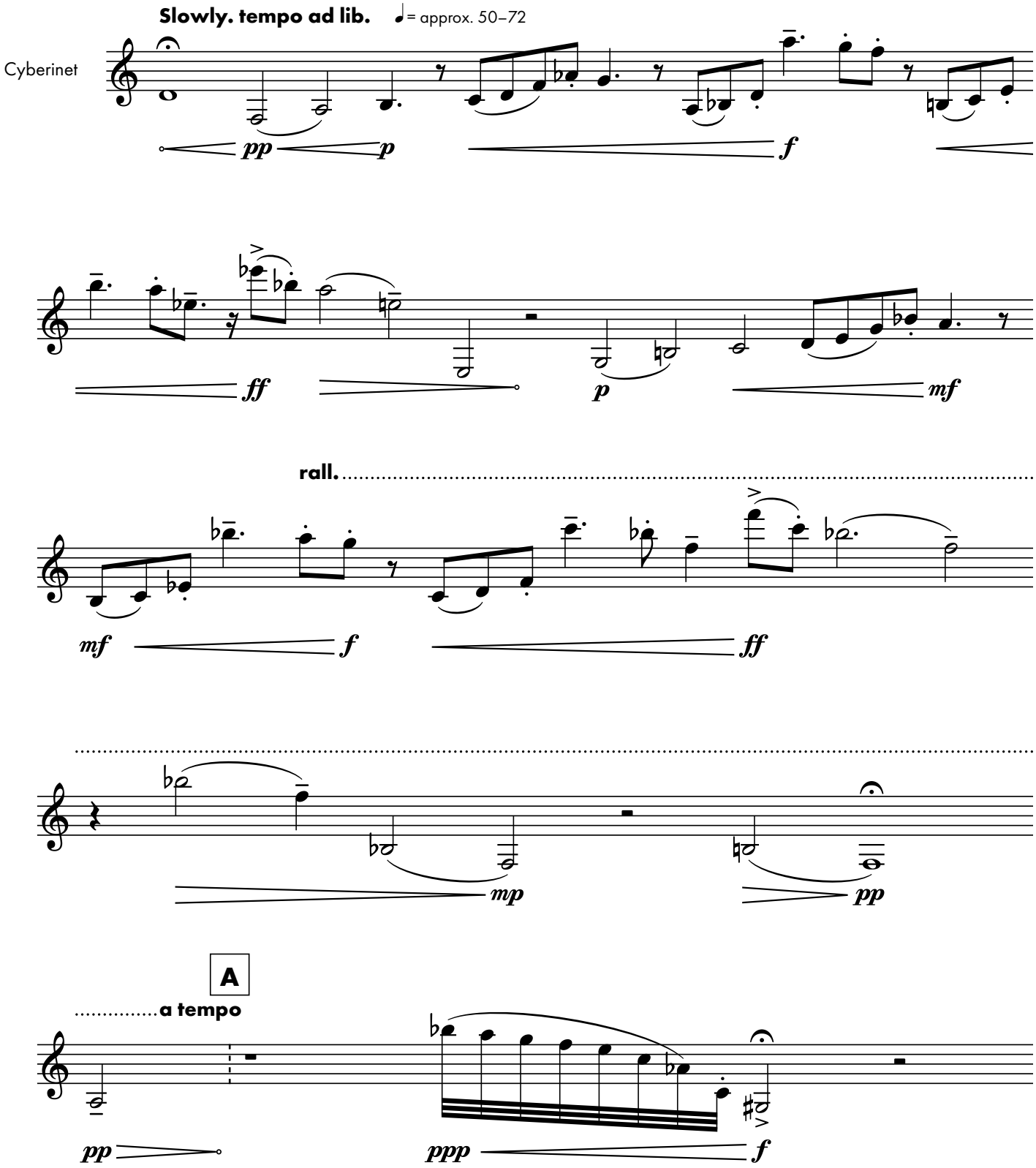
Cyberinet Hardware:
This solo requires the use of Cyberinet hardware and software to perform. More informaiton about this equipment can be fount at matthewbardin.com
The Cyberinet hardware replaces the mouthpiece and barrel of the performer's Bb clarinet. The internal sensors collect the following performacne data: gyroscope location, accelerometer speeds, airflow pressure. This data is transmitted to a nearby computer (approx. 25 feet) via bluetooth to control the software portion.

Software:
The max patch for this composition can be downloaded at matthewbaridn.com/Ethereal. The above sensors collect and transmit data to control two synthesizers within the Max environment. The computer running this patch should be connected to an output speaker loud enough to match volume with the Soloist. The first synthesizer generates tones through filtered noise and pitch matching. These produce a textural background. The second produces a variety of tones through FM synthesis and Karplus Strong Synthesis. These tones are intednded to accompany the soloist as a secondary voice.
Because the Performer will perform at differing tempi and styles, they will have unique movements to be picked up by the Cyberinet. This will result in an ethereal accompaniment that is unique to every performance.

Ethereal Presence

For the Cyberinet

Matthew A. Bardin (2023)



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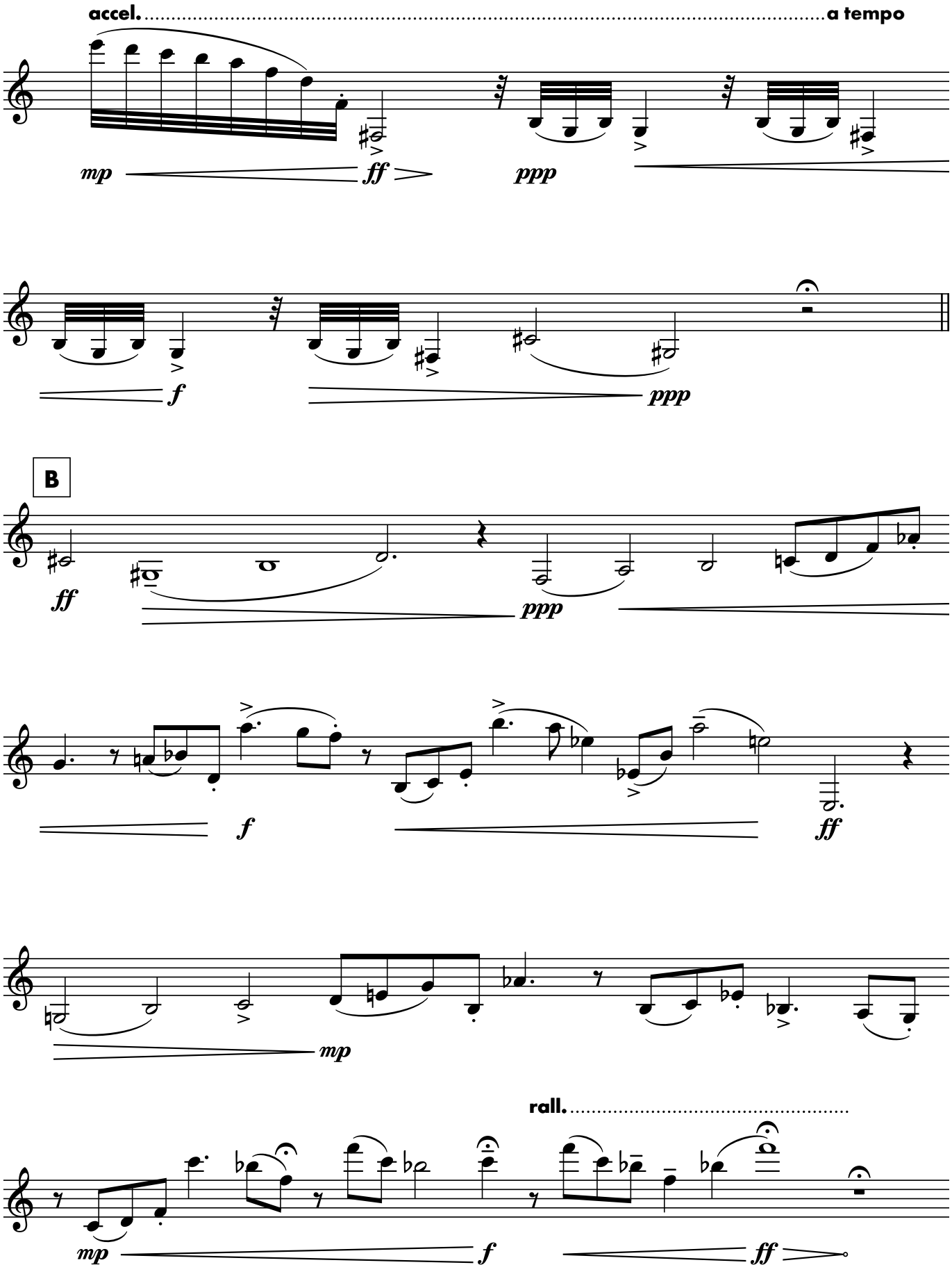
accel.
a tempo
mp
ff
ppp
f
ppp
B
ff
ppp
f
ff
mp
rall.
mp
f
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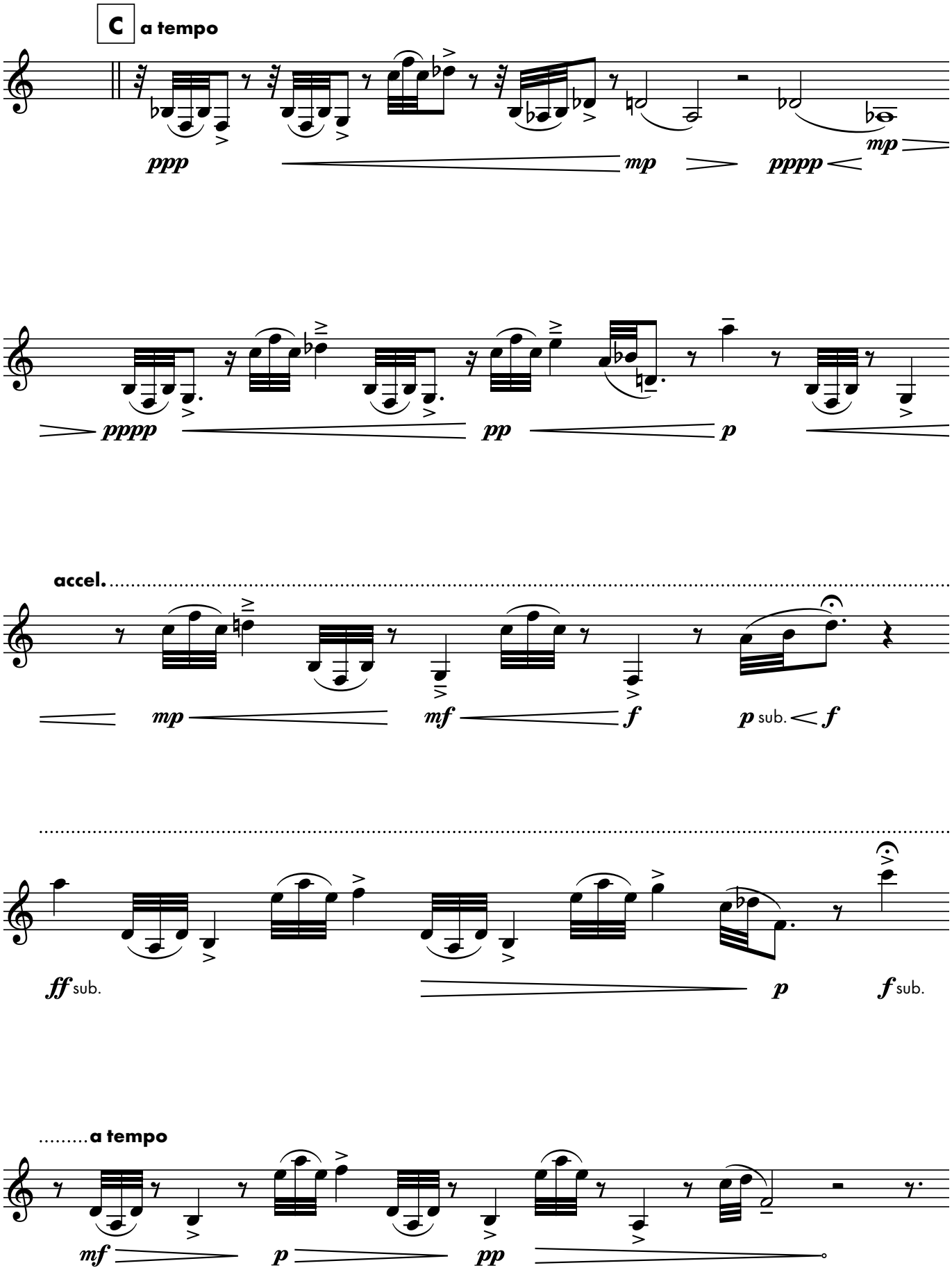
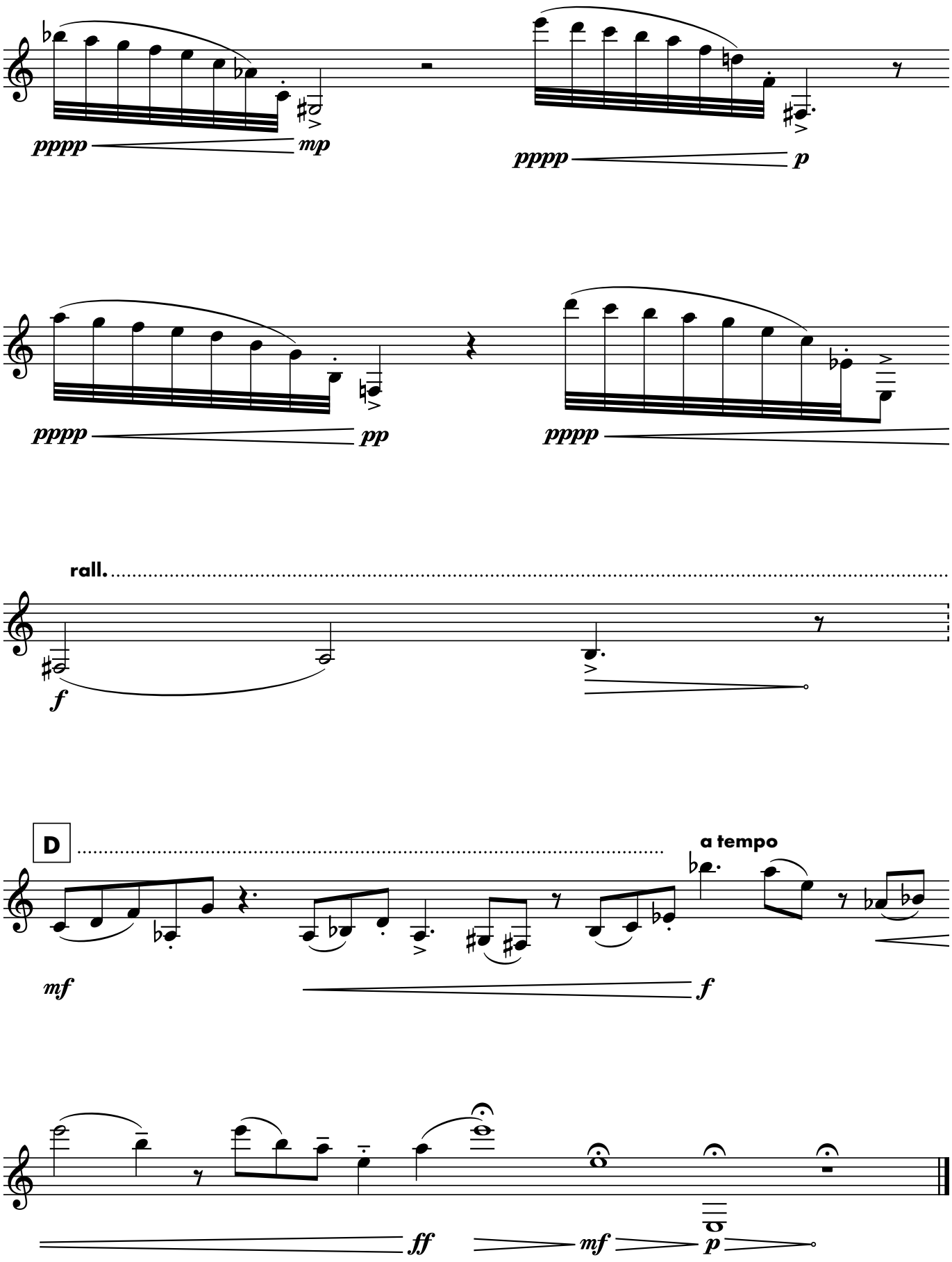

C
a tempo
ppp
mp
pppp
mp
pppp
pp
p
accel.
mp
mf
f
p sub.
f
ff sub.
p
f sub.
a tempo
mf
p
pp


pppp
mp
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rall.
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