Andre Bartetzki

String-Theory

for violin and live-electronics

2 pages explanations

1 page graphical electronics score

8 pages violin score

Andre Bartetzki
String-Theory (2005) for violin and live-electronics

Explanation on the violin part

The violin must be tuned in a special scordatura:

G-string down to Eb (-4)

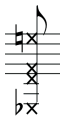
D-string remains original

A-string down to F (-4)

E-string remains original

Part **A**

bowing on the tailpiece with hard pressure



bowing on all 4 strings with hard pressure
between fingerboard and neck

Part **D**

all notes are natural harmonics written as sounding pitches,
the letters below the notes indicate the string,
the numbers indicate the order of harmonics
(2 - half of string, 3 – third of string etc.)

Part **E**

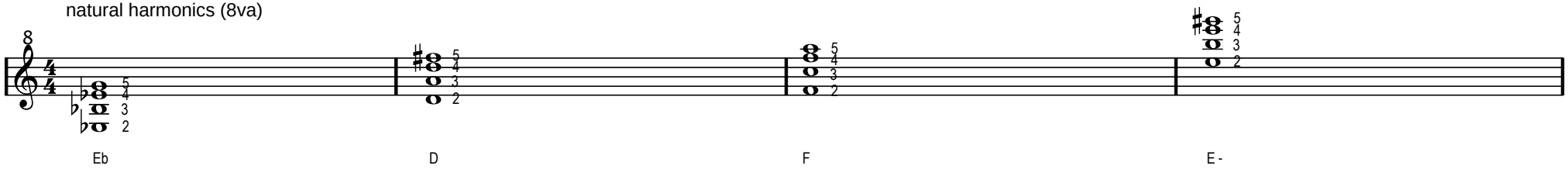
triangle note heads indicate very short click sounds or impulses
on the open strings:
press the lower end of the bow against the string
and move the bow with very hard pressure only very little until
the string detaches itself from the bow, then stop immediately

the same short click sounds but in fast succession (creaking sound):
move the bow slowly with hard pressure so that you can hear single clicks
(similar to „flutter tongue“)

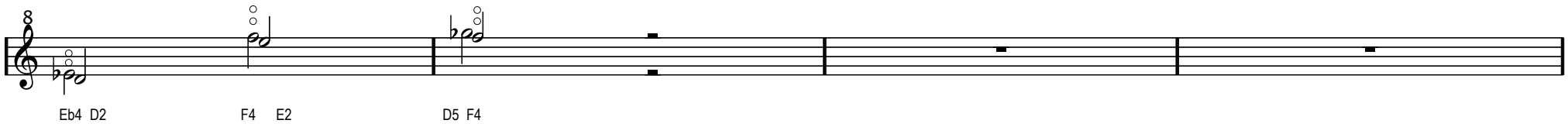
Part **F**

all notes are natural harmonics written as sounding pitches,
there are only 11 different double stop fingerings (*see the separate overview sheet*)

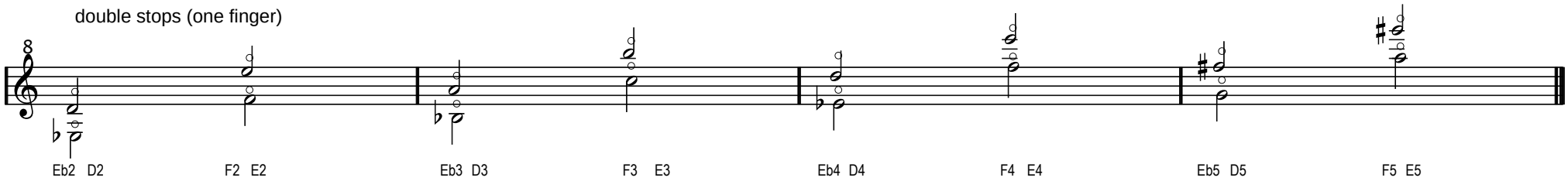
natural harmonics (8va)



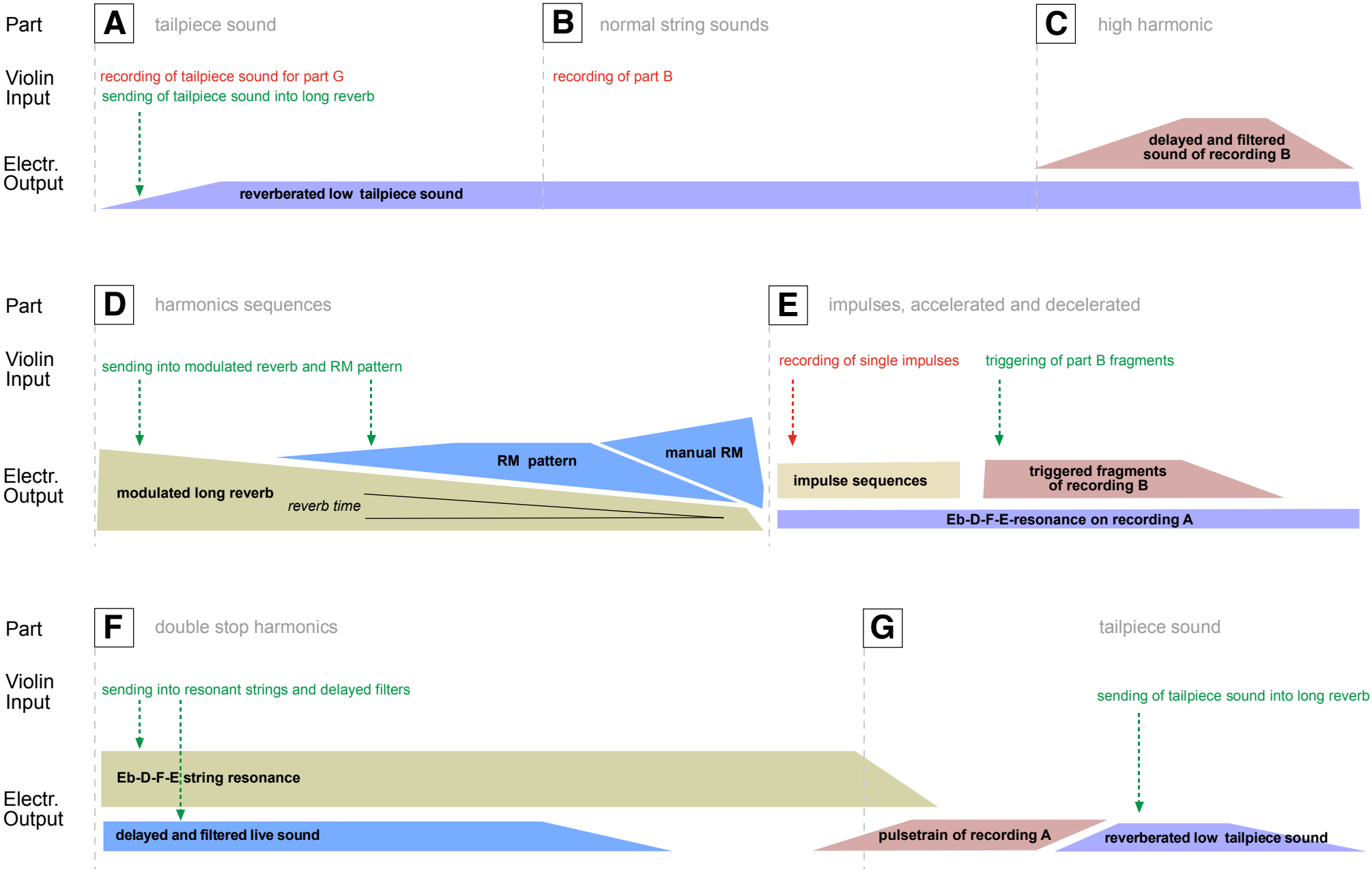
double stops (two fingers)



double stops (one finger)



String-Theory scheme of the live-electronics



String-Theory

A

senza misura

Violine

ca. 3 sec — ca. 11 sec — ca. 2 sec

f — *ff*

auf dem Saitenhalter streichen >> tiefer Ton

hinter dem Sattel mit großem Druck auf allen Saiten streichen

B

♩ = 60

Vl

f — *sul Eb (G)* *mf* — *sul F (A)* *mf* — *sul D* *mf*

sul D — *sul E* *mf* — *subito* *p*

je 1. Flageolett, klingend notiert, kurz anstoßen und nachklingen lassen ("Glockenspiel")

C

senza misura

8va

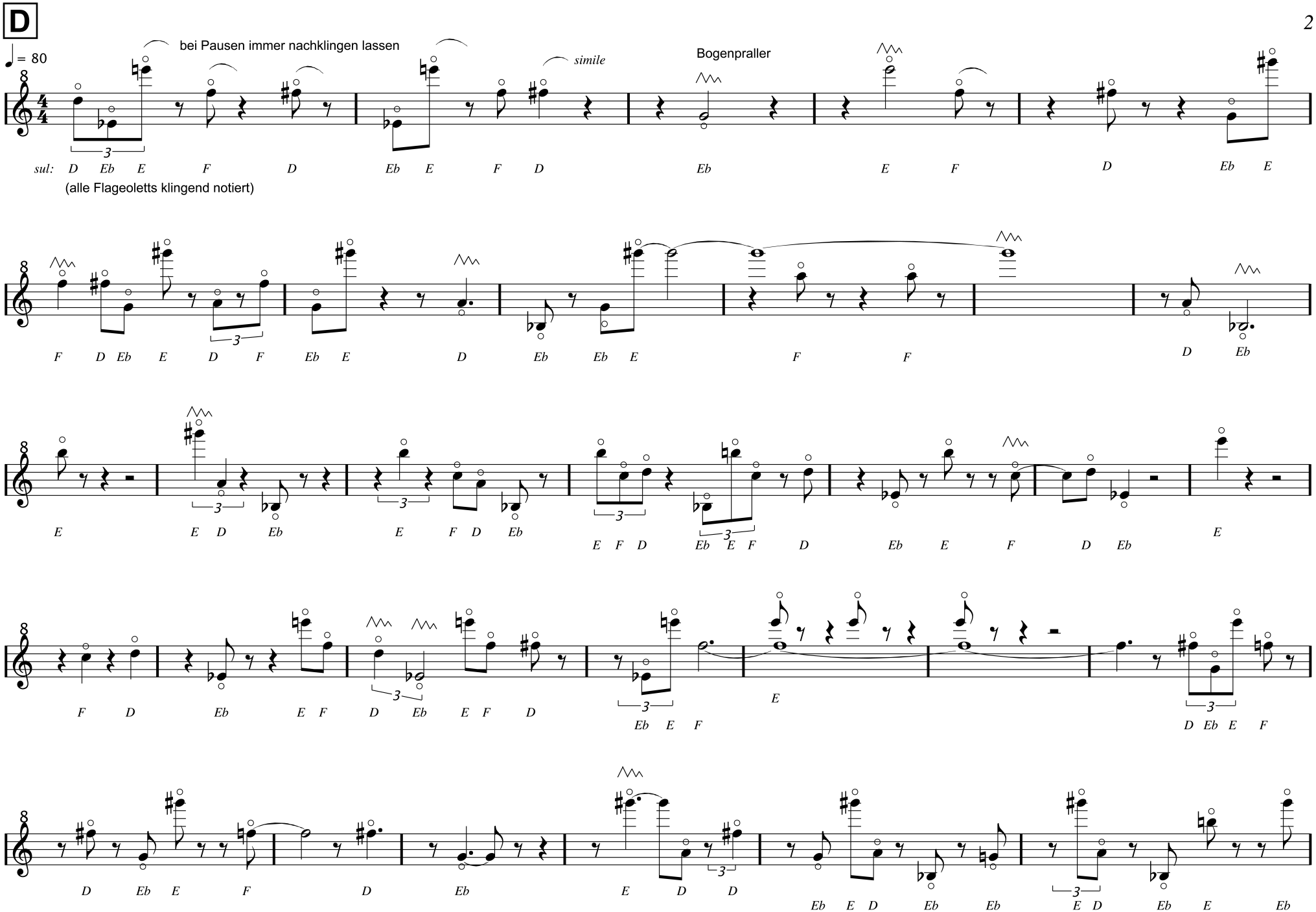
Vl

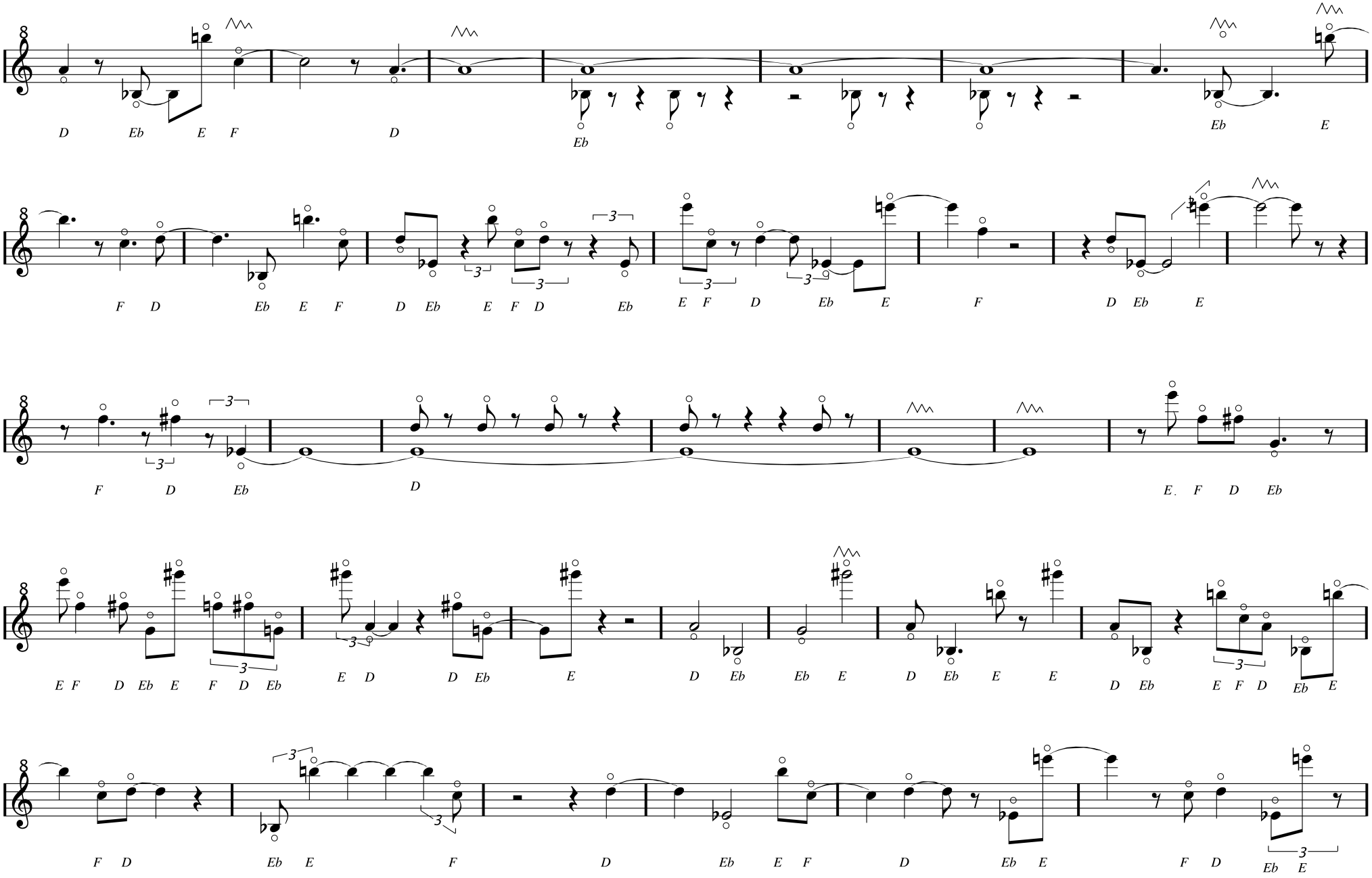
p *sul E*

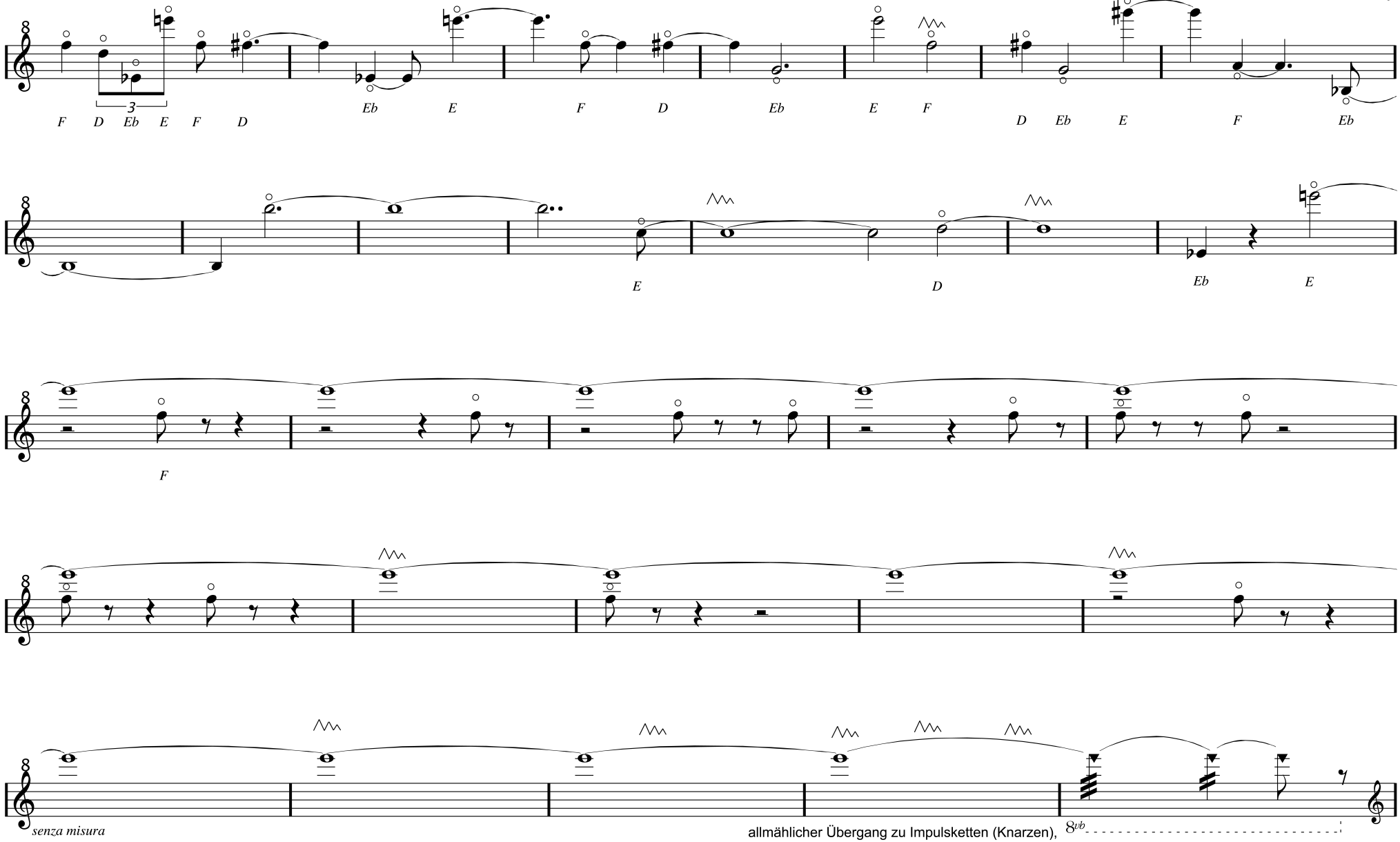
klingend (5. Teilton von e")

ca. 20 sec (bis Ende der Filterklänge)

8


D
♩ = 80
bei Pausen immer nachklingen lassen
simile
Bogenpraller
sul: D Eb E F D Eb E F D Eb E F D Eb E
(alle Flageoletts klingend notiert)
F D Eb E D F Eb E D Eb Eb E F F D Eb
E E D Eb E F D Eb E F D Eb E F D Eb E F D Eb E
F D Eb E F D Eb E F D Eb E F E D Eb E F
D Eb E F D Eb E D D Eb E D Eb Eb E D Eb E Eb


D Eb E F D Eb Eb E
F D Eb E F D Eb D Eb E F D Eb E F D Eb E F D Eb E
F D Eb D E. F D Eb
E F D Eb E F D Eb E D D Eb E D Eb Eb E D Eb E E D Eb E F D Eb E
F D Eb E F D Eb E F D Eb E

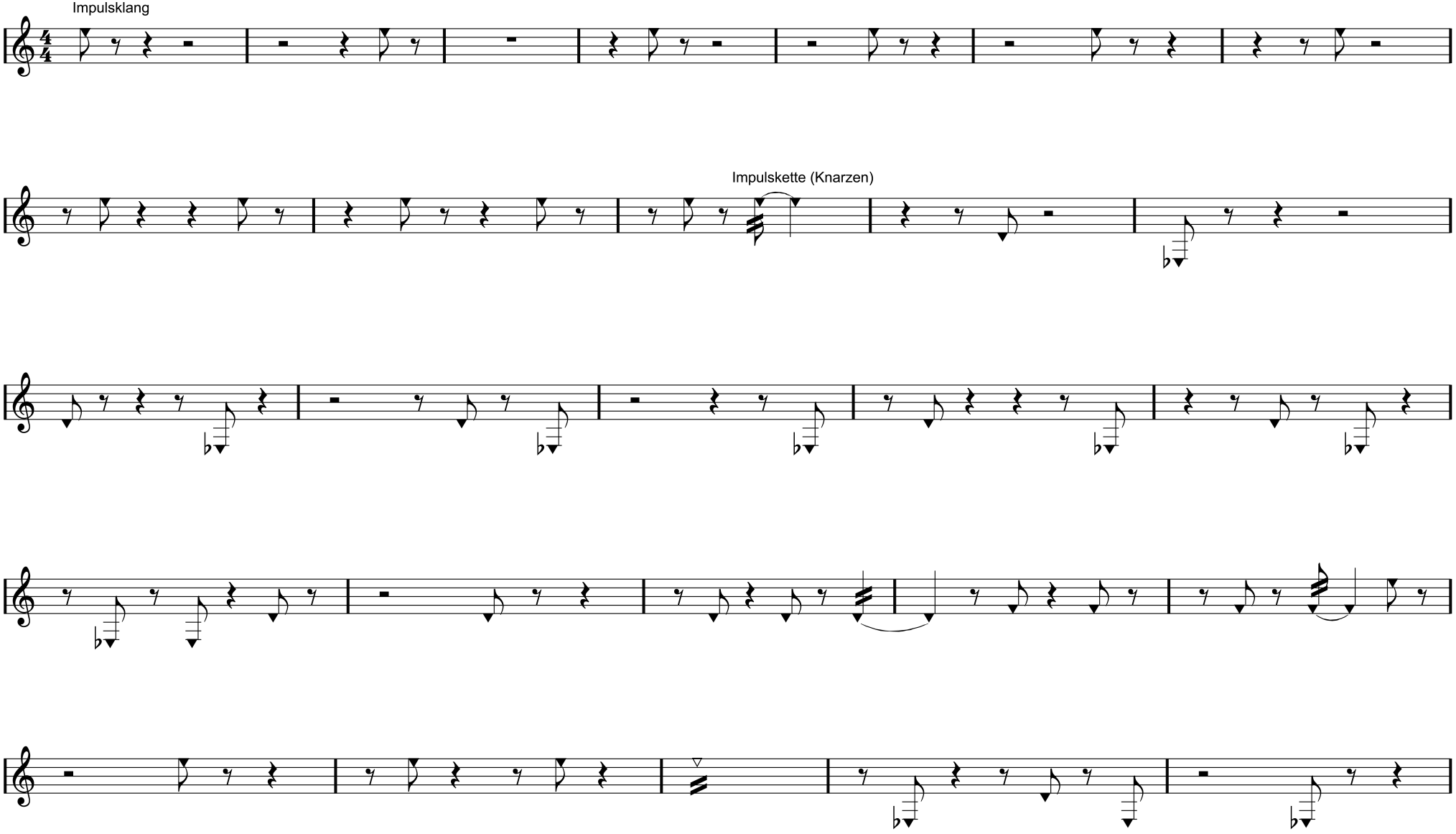

F D Eb E F D
3
Eb E F D Eb E F D Eb E F
E D Eb E
F
senza misura
allmählicher Übergang zu Impulsketten (Knarzen),
8vb
beenden mit einzelnem Impuls auf der leeren E-Saite

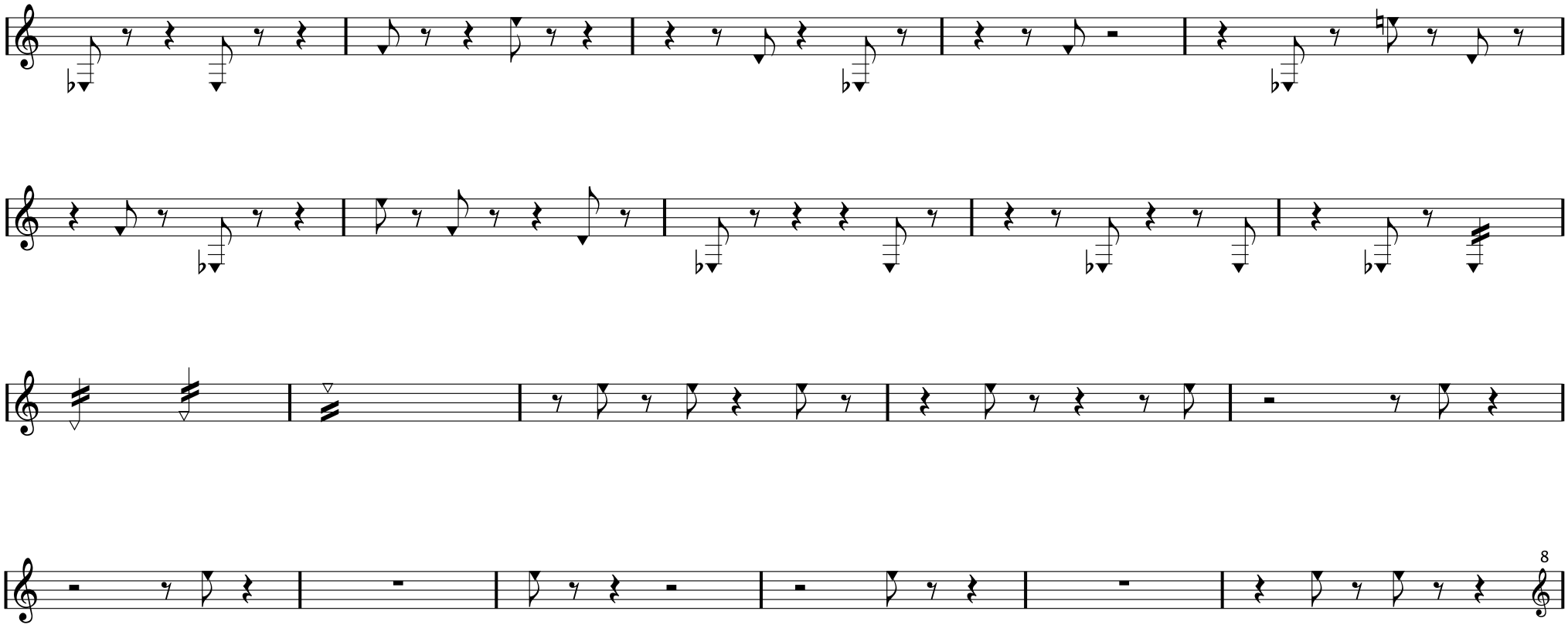
E

♩ = 60

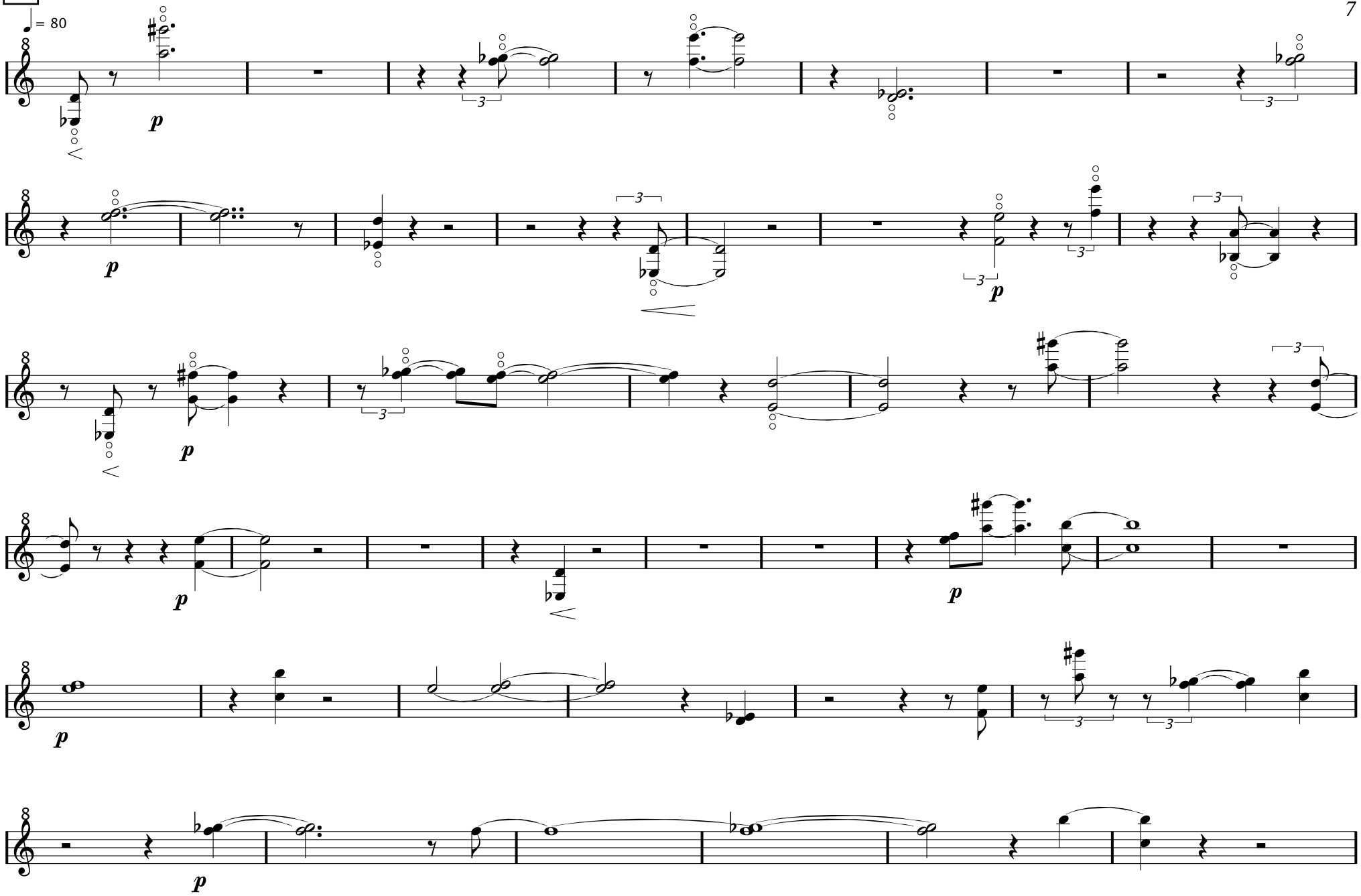
Impulsklang

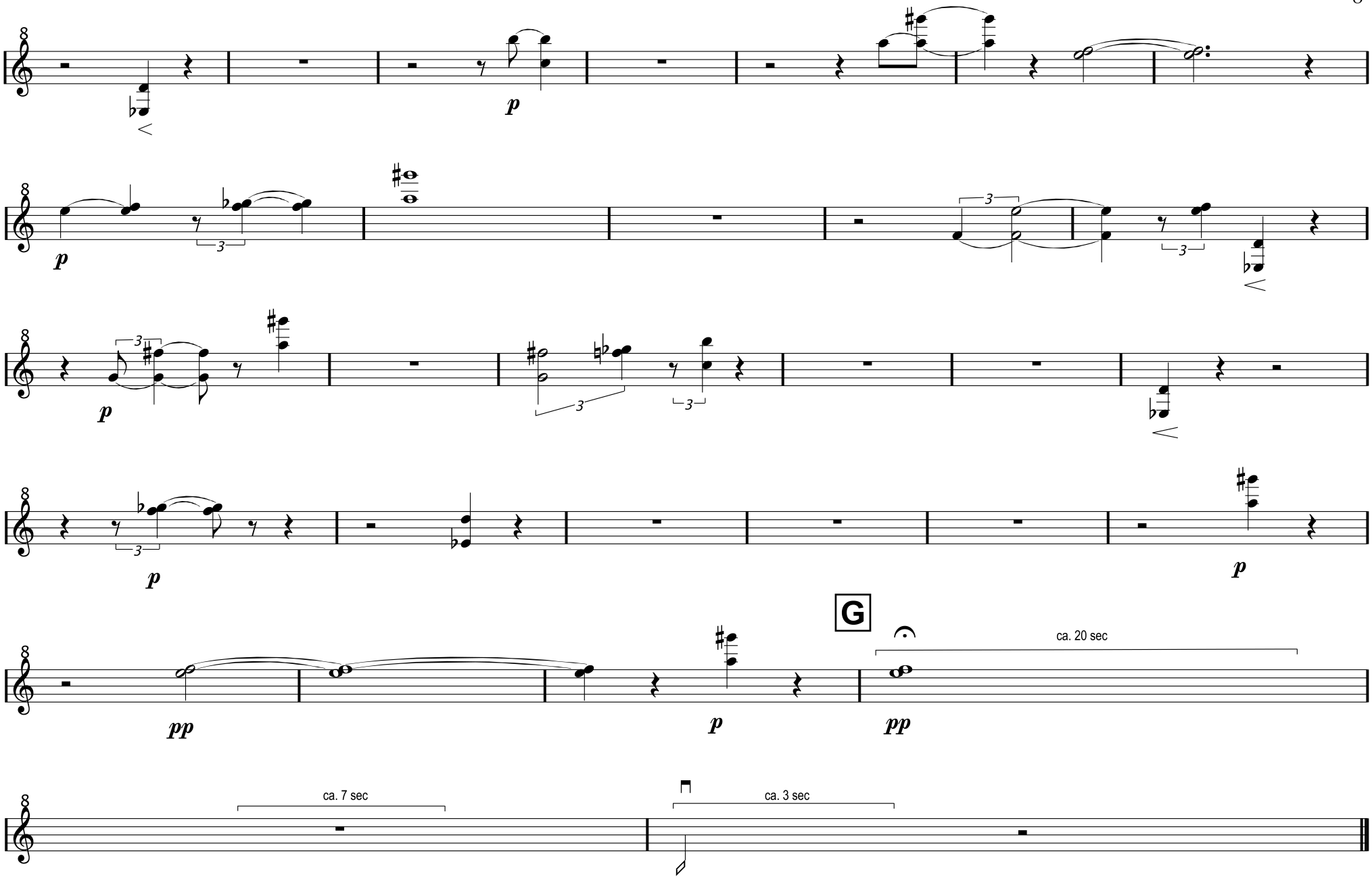
Impulskette (Knarzen)




8

F




p
p
p
p
p
G
ca. 20 sec
pp
p
pp
ca. 7 sec
ca. 3 sec