

# Sound Picture

Ludwig van Beethoven  
Symphony No. 5 in C minor, Op. 67  
I. Allegro con brio  
Bars 1–56

## ***Assignment***

**Represent a 1-minute-long sound as a picture. The course of the sound should be comprehensible from that picture. Sound and format may be chosen freely.**

## ***Solution***

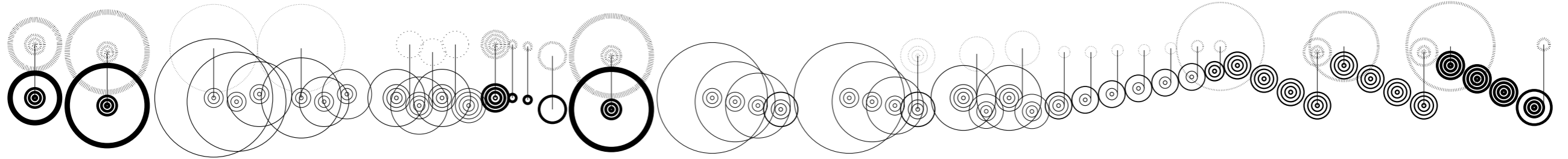
**We chose Beethoven's 5<sup>th</sup> symphony and divided it into musical units. Each unit is represented by a series of nested circles on a non-linear timeline. The radius of the circles corresponds to the length, the vertical position to the pitch, and the thickness of the border to the loudness.**

**In our visualisation, the emphasises is placed on the rhythm, which we felt was more prominent in this piece than the melody.**

## ***Note***

**The picture was designed for print (A0 and bigger), not for on-screen viewing. Thus, the thickness of lines appears to be very uniform on screen even though it varies quite a lot. (This can be circumvented by making hearty use of the zoom function in your PDF viewer —which will cost you the general overview, though.)**

**The sound file can be found here: [julianstahnke.com/read/sound\\_picture/56\\_bars.m4a](http://julianstahnke.com/read/sound_picture/56_bars.m4a)**

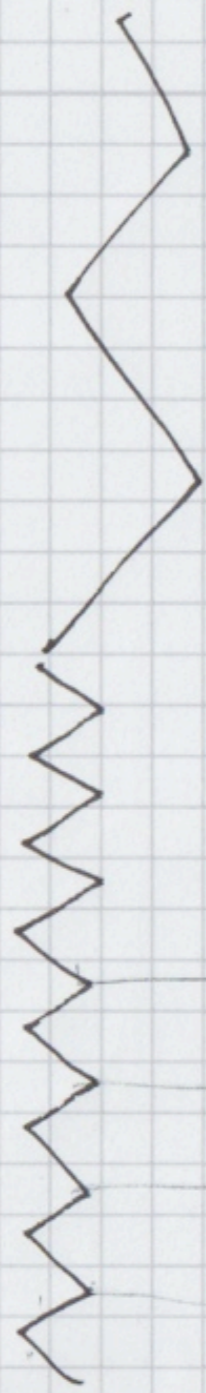


# Sketches

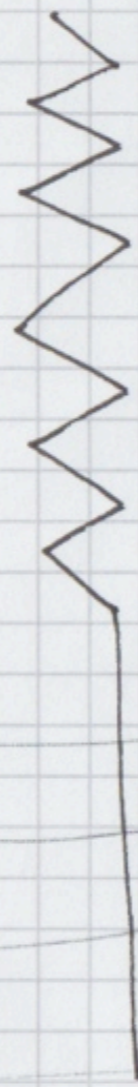
*(More or less chronological)*

Musik Mücke

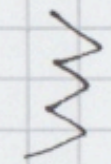
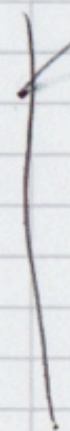
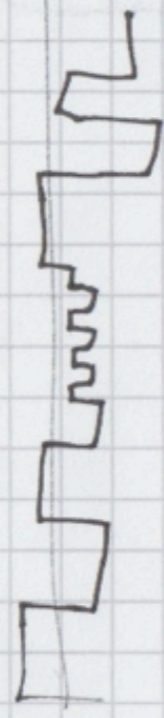
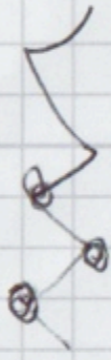
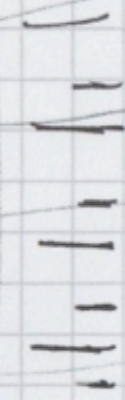
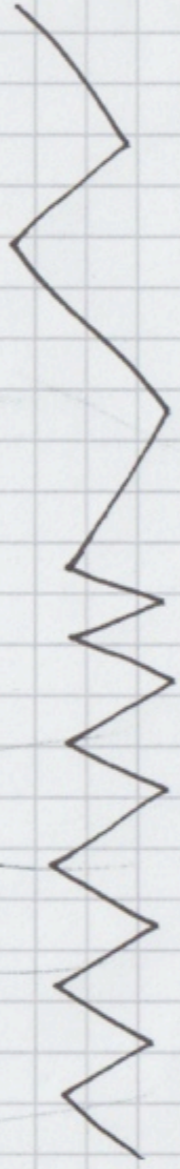
Violine I



Bas



Posaune



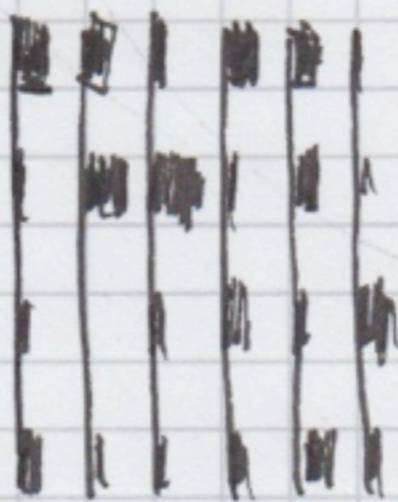


Violine 1

Violine 2

Cello

Bass

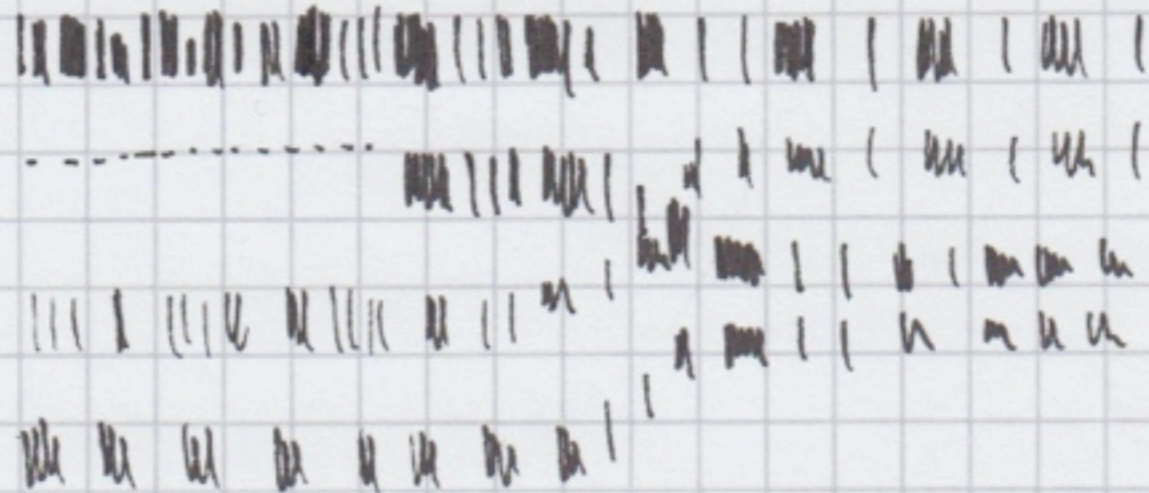


Trompete

Violine 1

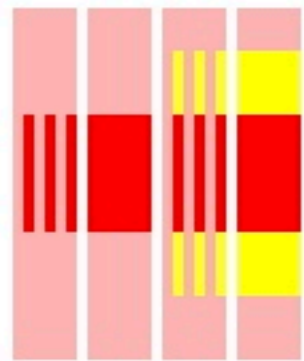
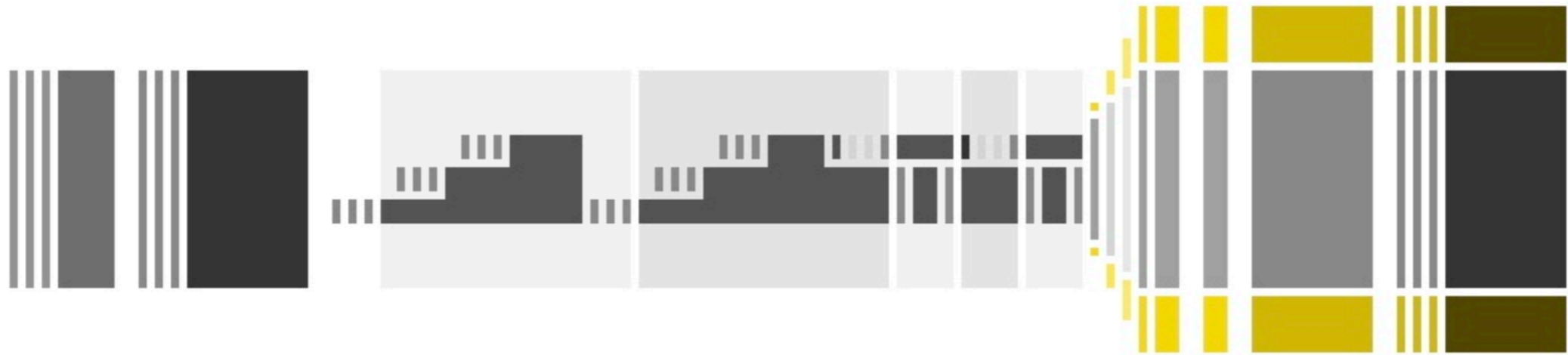
Violine 2

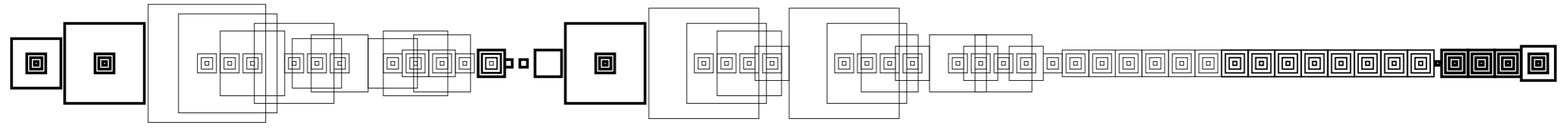
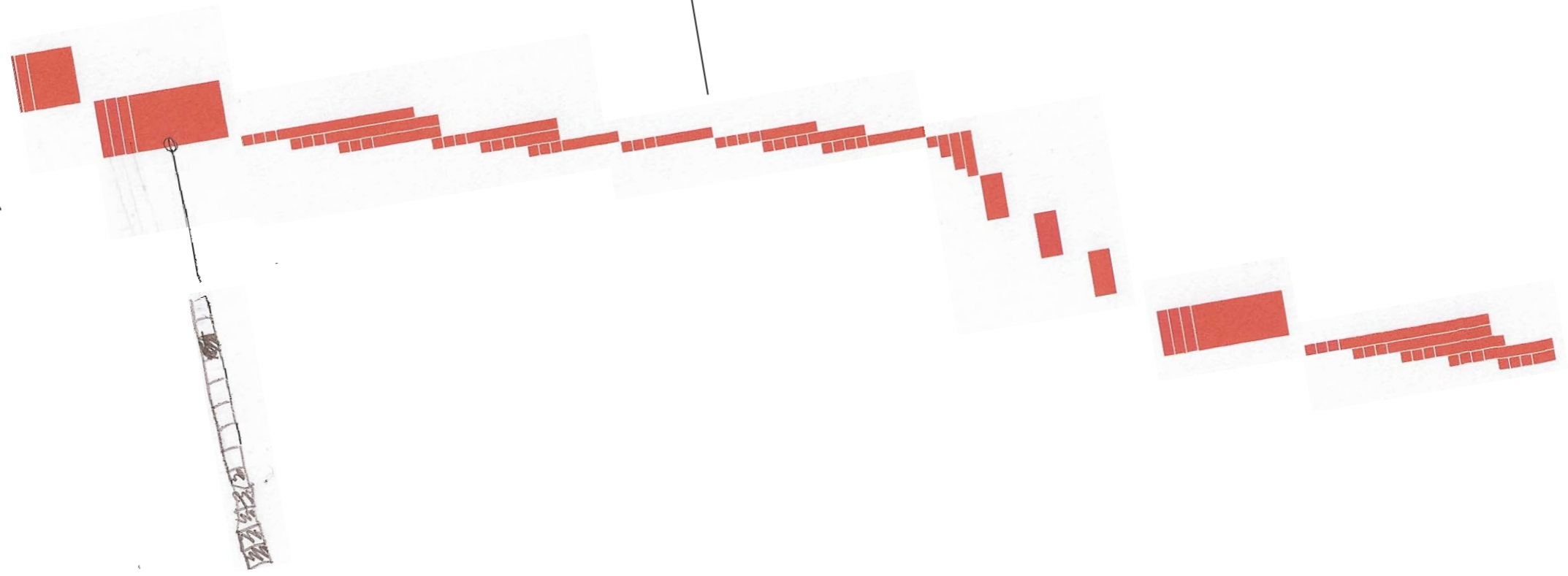
Bass

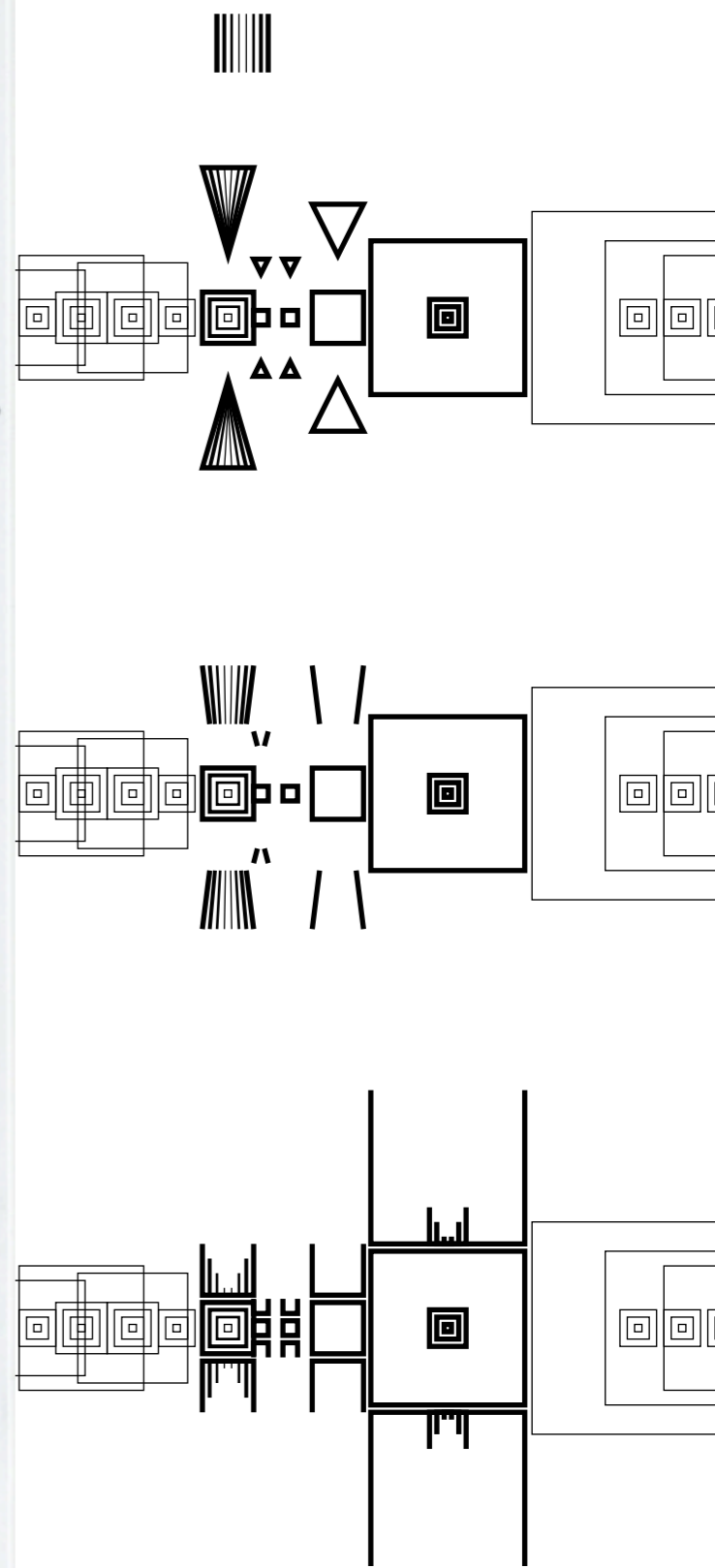
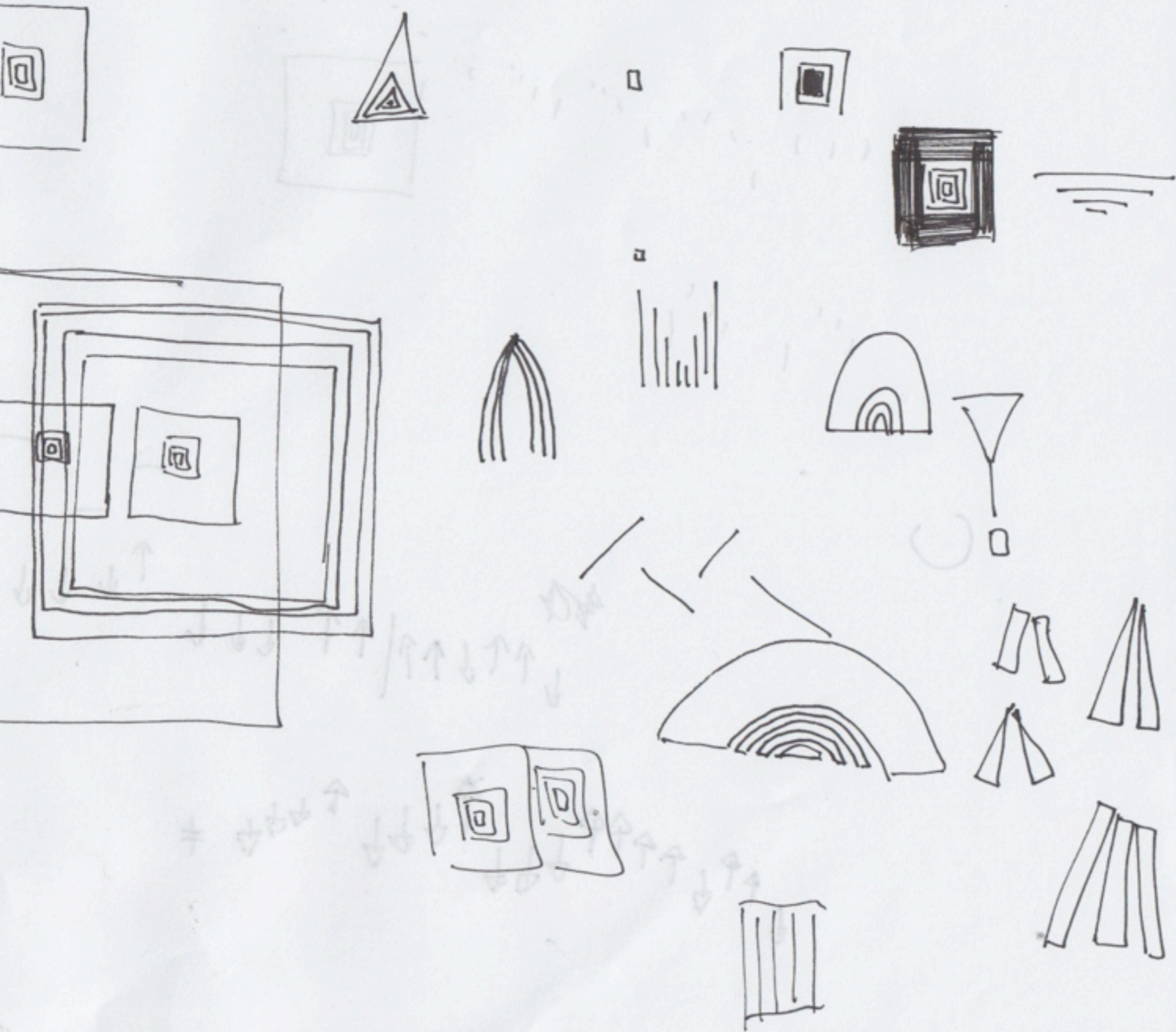


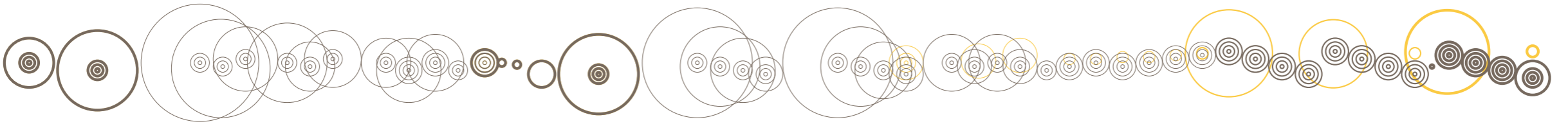
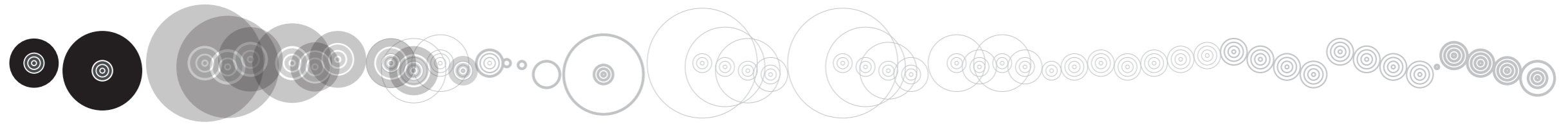
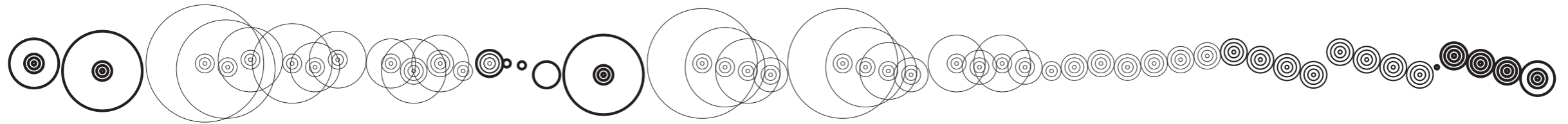
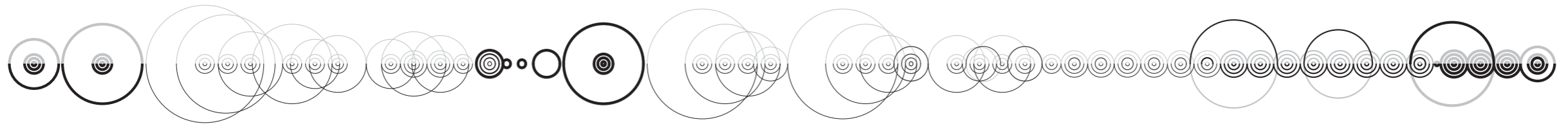
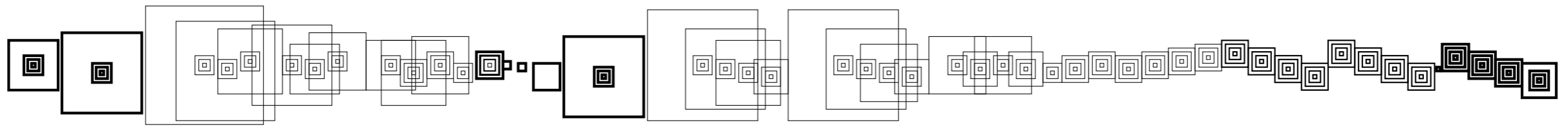
Handwritten musical notation at the top of the page, consisting of several notes and rests.

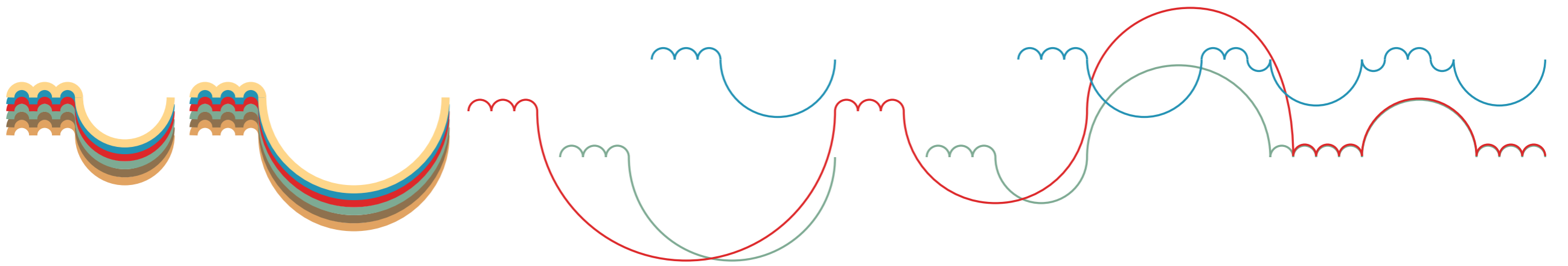
30 31 32 33 cresc. 34 35 36 37 sf 38 sf 39 sf 40 sf 41 sf 42

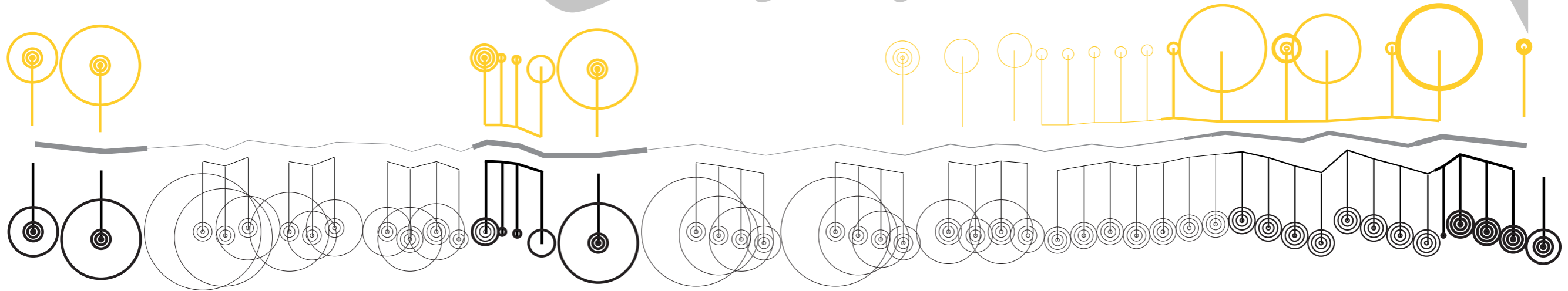
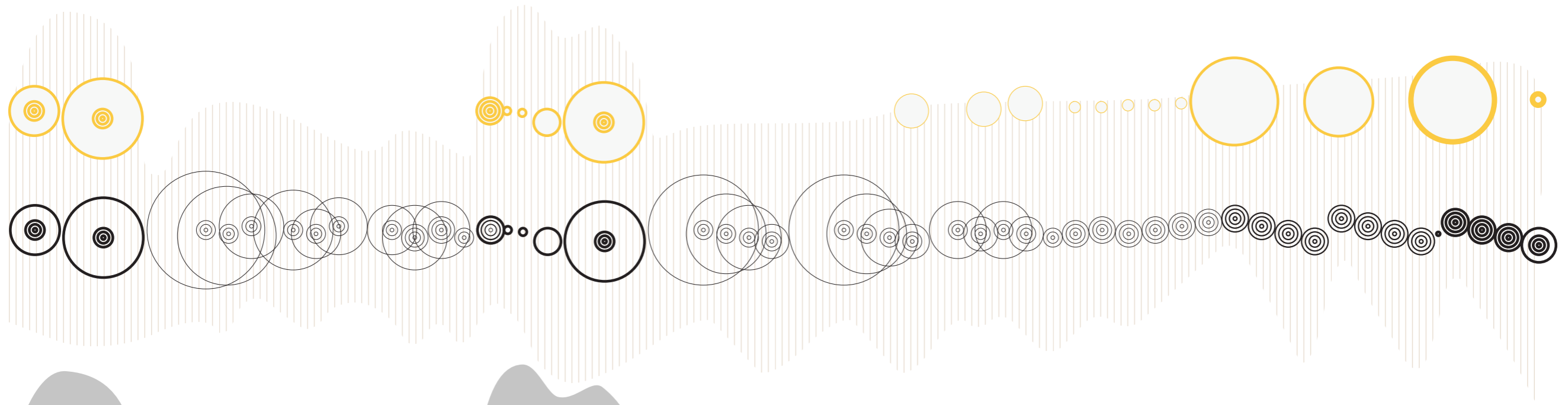




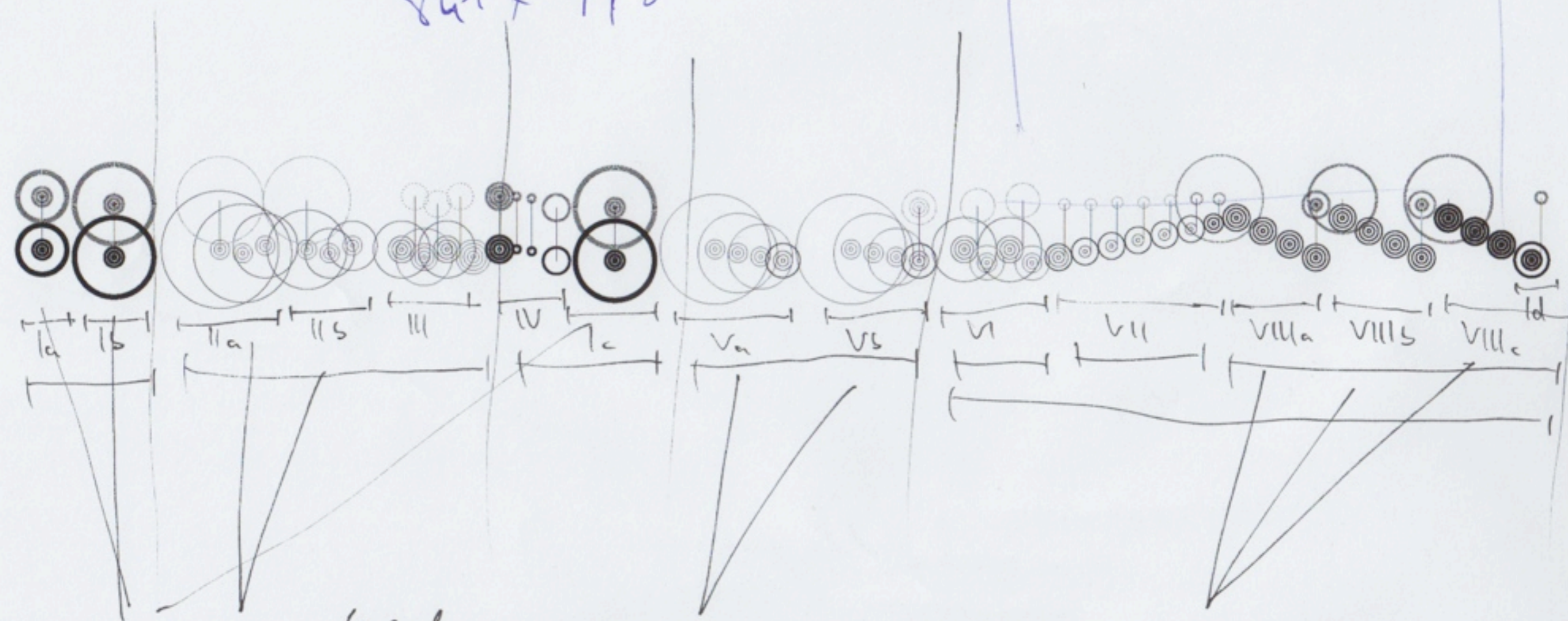








841 + 1989



Legend

- ⊙ Musical motifs
- Hauptmelodi.
- - - - - Unterstützung
- ▬ pp
- ▬ ff

