

Bjørn Fongaard:
INVENSJONER
for en elektronisk
solostemme.
Op. 39 nr. 1-9



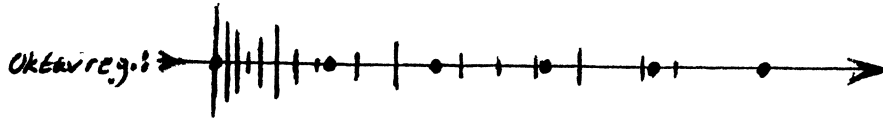
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INVENSIÓN

1-ST. ELEKTRONISK SATS.

(Opus 39 nr 1, Björn Fougard.)

Tilnærmet klangkvalitet hos stemmen,
 i partialtonenes frekvens- og styrkeforhold,
 udbrykt ved følgende grafiske fremstilling:

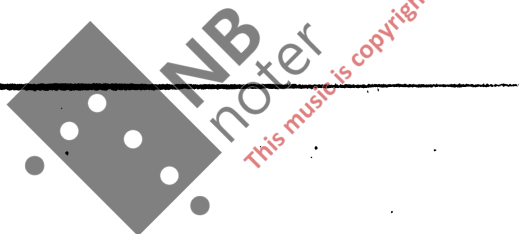


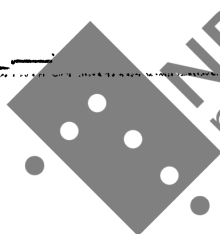
Aleat. Funksj. —————

1 em. \approx 1 sek. (spilletid c.a. 3.5 min.)

ss — mf — pp .

1 oktav \approx 0.3 em. \approx 128 Hz. (For dybeste part. tone.)
 Retningsbestemt måles med ubestemte toneintervaller. Runklung.



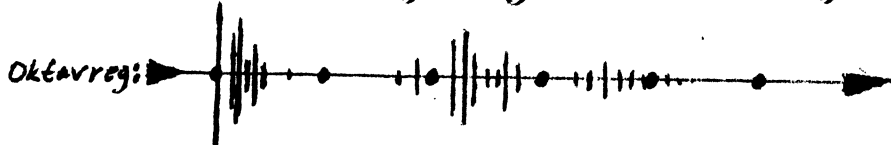


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INVENSIÓN

I-ST. ELEKTRONISK SATS.
(Opus 39 nr. 2, Björn Fongjærad)

Tilnærmad klangkvalitet hos stemmen, 3. parti/tonens frekvens- og styrkeforhold, udtrykt ved følgende grafiske fremstilling:

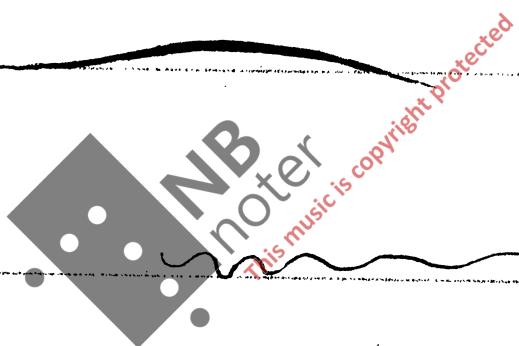
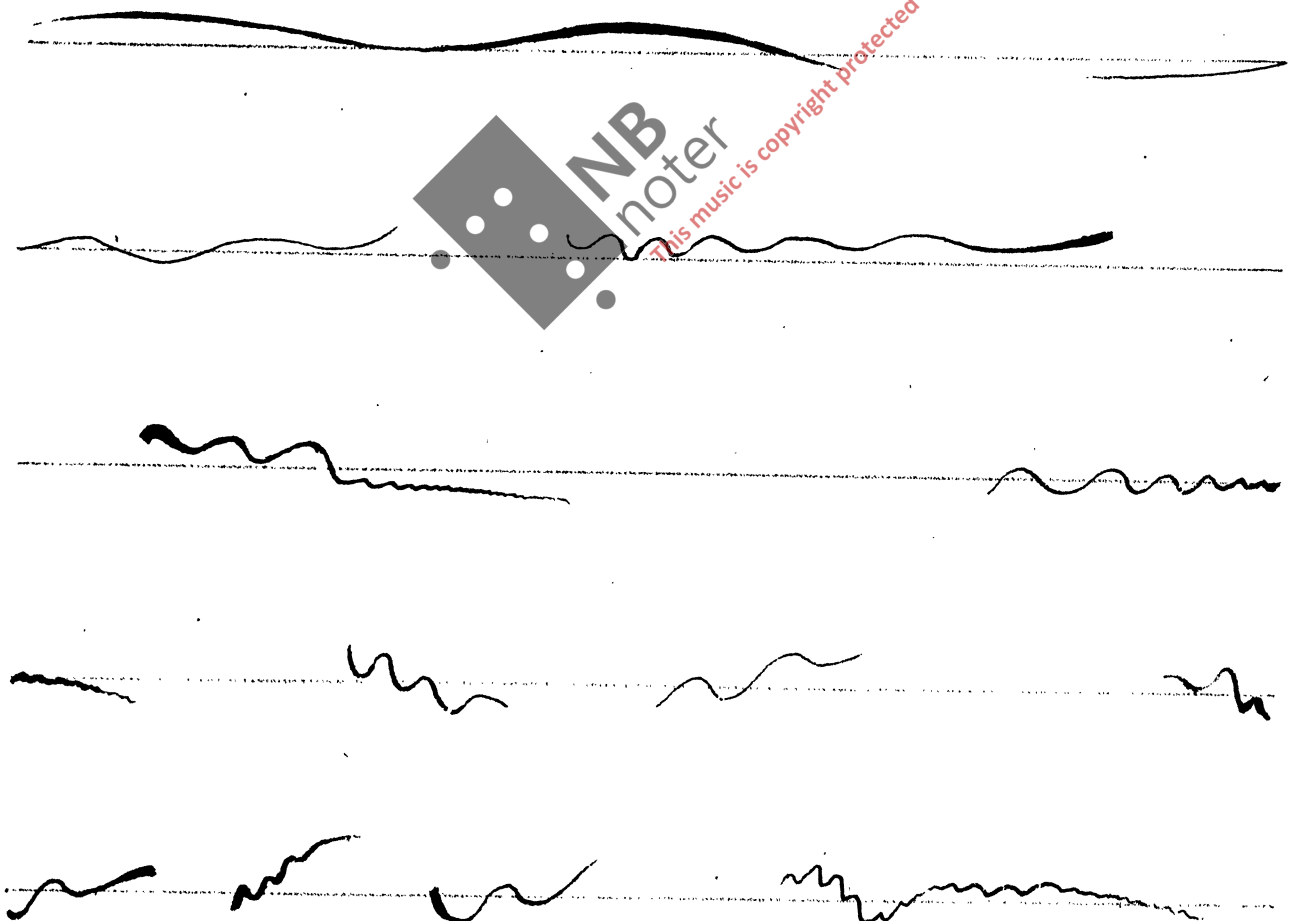


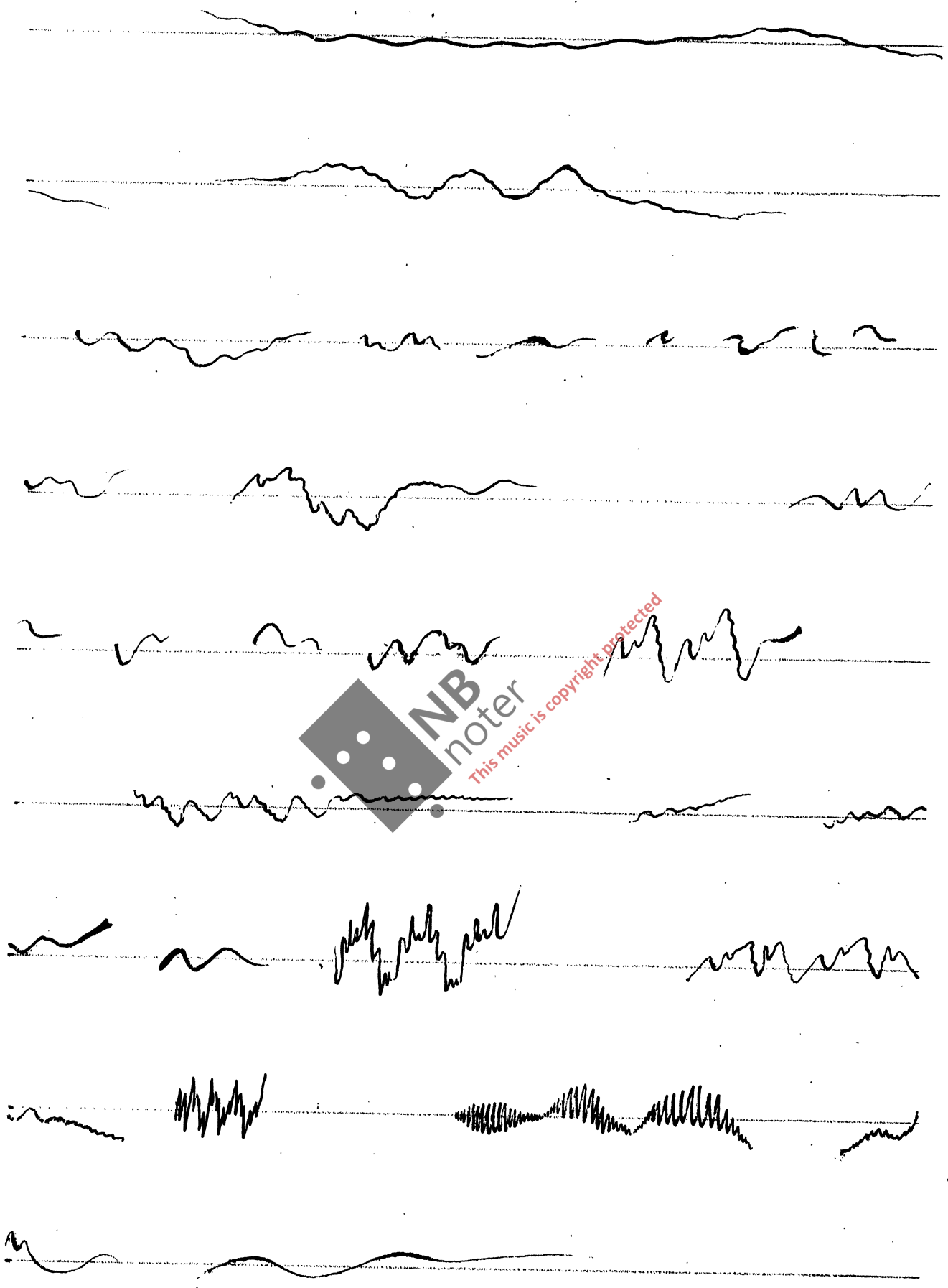
Aleat. Funksj.

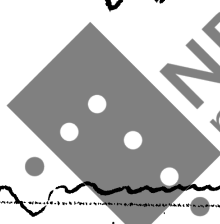
1 cm. \approx 1 sek.

— ss, — ms, — pp,

1 oktav \approx 0.3 cm. udst. fra linjen, som = 128 Hz. (For strukturens dybeste part. tone. Retningsbestemt melos med ubestemte toneintervaller. Rumklang.)



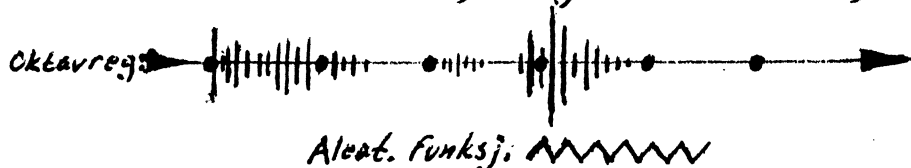


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INVENSIJON

1-ST. ELEKTRONISK SATS.
(Opus 34 nr. 3, Björn Fougard)

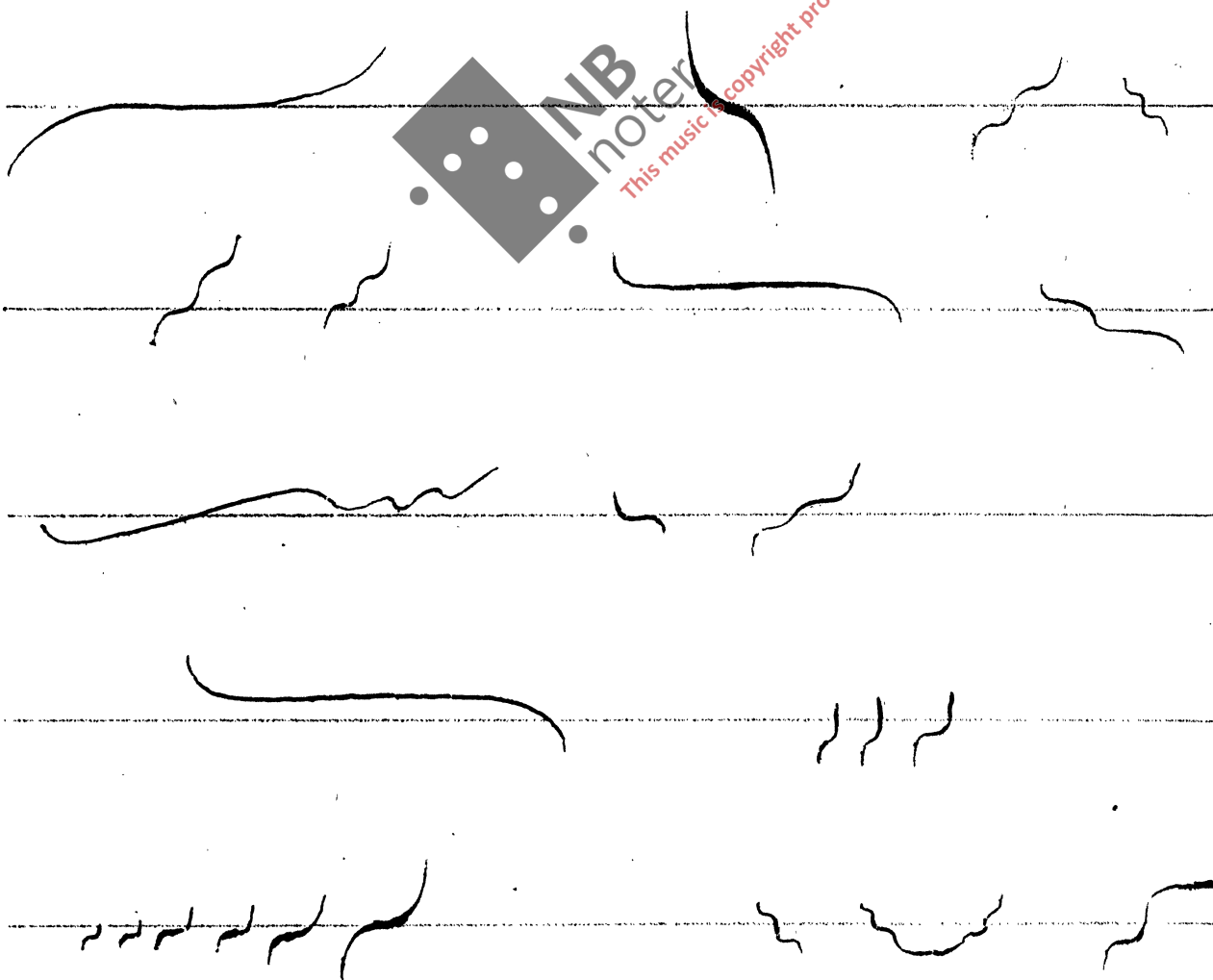
Tilnærmet klangkvalitet hos stemmen, 3. parti (altensenes) frekvens- og styrkeforhold, uttrykt ved følgende grafiske fremstilling

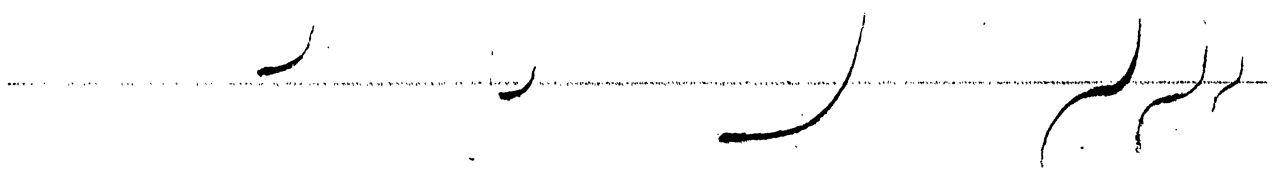
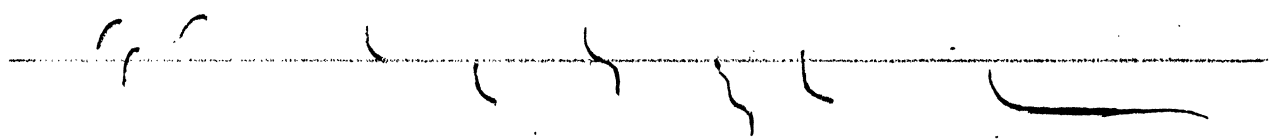
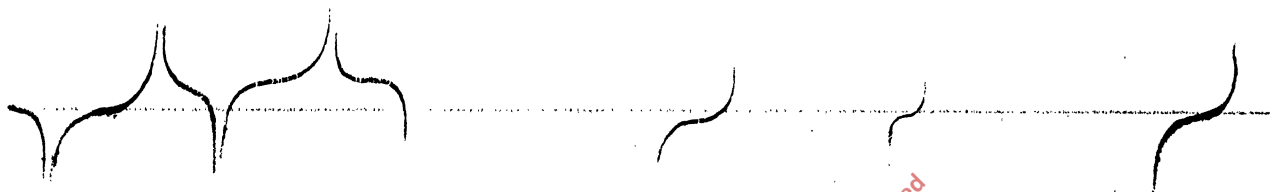
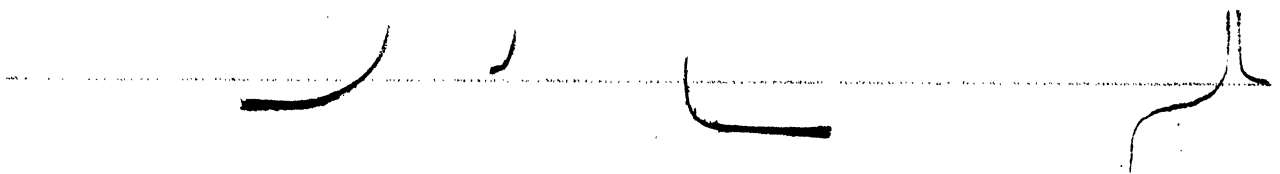
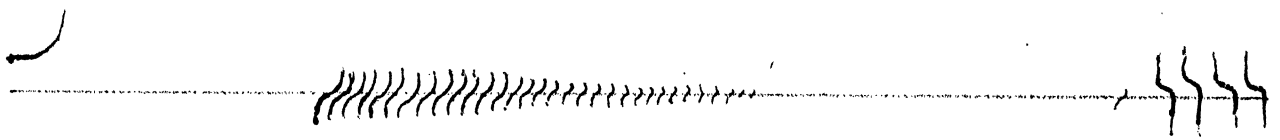


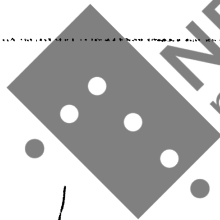
1 cm. \approx 1 sek.

$\overline{\text{ms}}$ — pp.

1 oktav \approx 0.3 cm. uvst. fra linjen, som = 128 Hz. (særkt. dybeste part. tone.)
Retningsbestemt måles med ubestemte toneintervaller. Rumklang.





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I-ST. ELEKTRONSK SATS,
(Opus 39 nr. 4, Björn Fongaard)

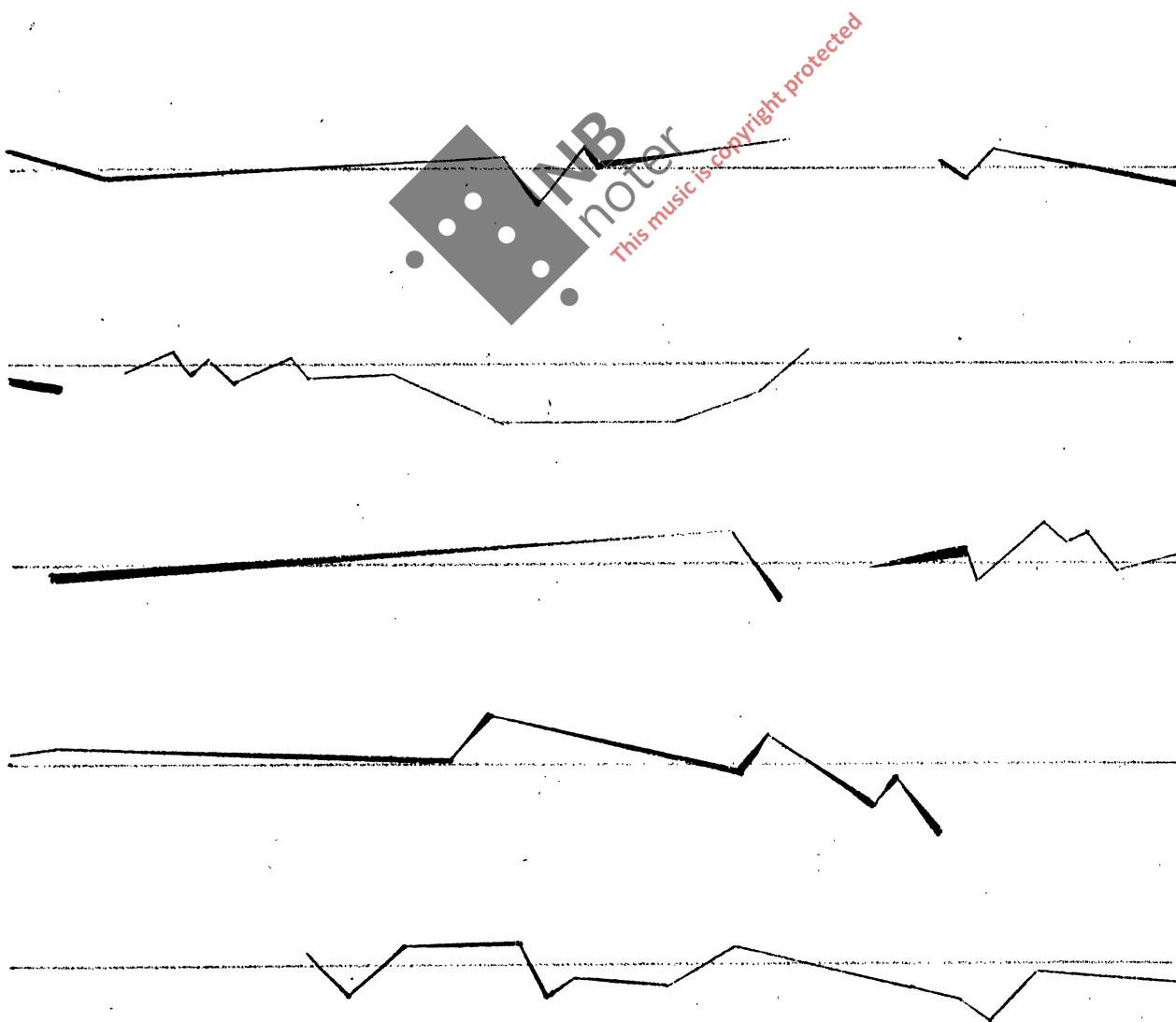
Tilnærmet klanakvalitet hos stemmen
5; partialtonenes frekvens-, og styrkefor-
hold, uttrykt ved følgende grafiske fremst.

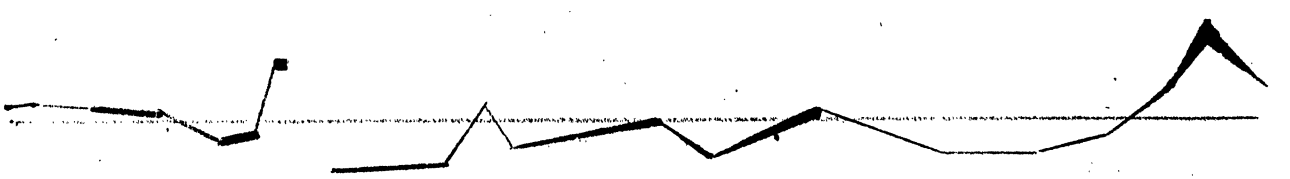
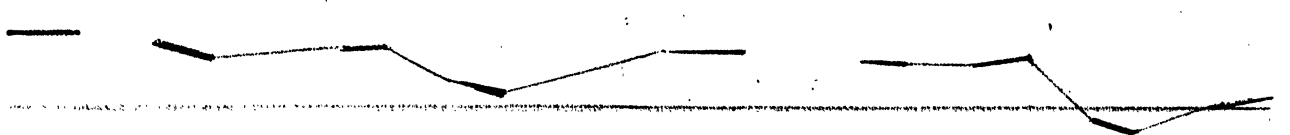
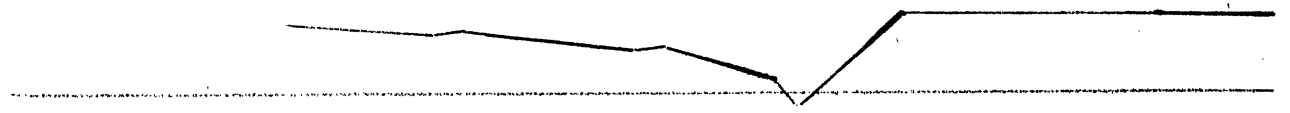
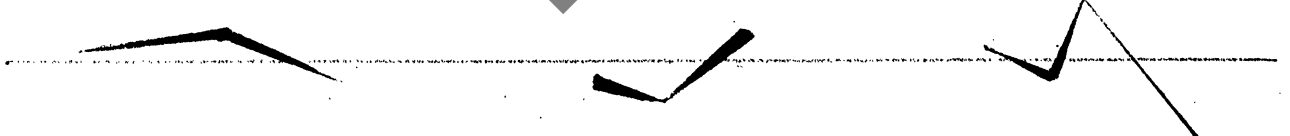
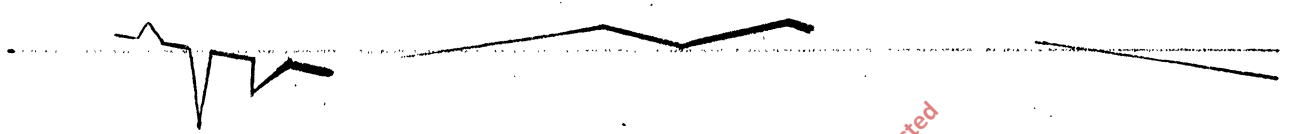
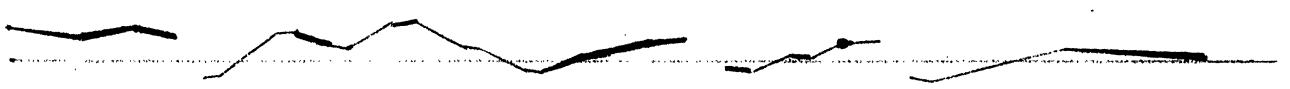
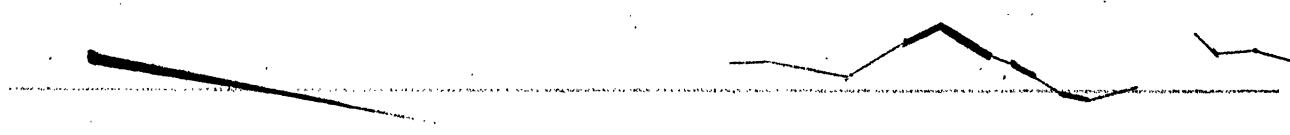
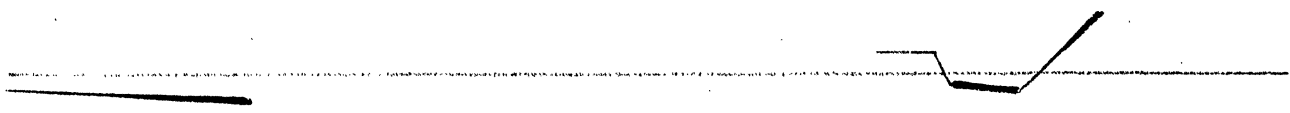


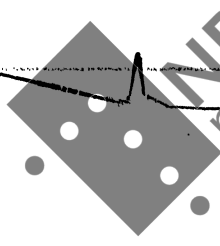
Alcat. funksj.

1cm. \approx 1 sek.

55 ms, — pp.
1oktav \approx 0.3 cm. abst. fra linjen, som = 128 Hz. (3: strukt. dybeste part, tone.)
Retningsbestemt måles med ubestemte toneintervaller, Rumklang.





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INVENSJON

T-ST. ELEKTRONISK SATS

(Opus 39 nr. 5, Björn Fongaard)

Tilnærmet klangkvalitet hos stemmen, 2. partialtonenes frekvens- og styrkeforhold, grafisk fremstille slik:



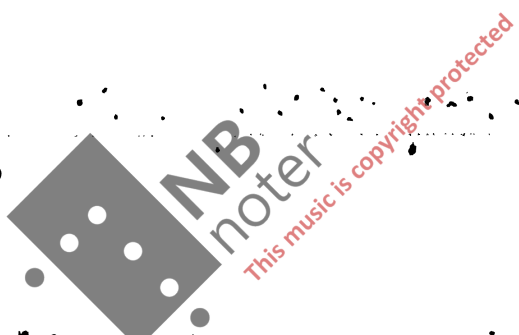
Abstr. funksj.

1 cm. \approx 1 sek.


$\frac{1}{35}$ ms. — pp.

1 oktav \approx 0.3 cm. avst. fra linjen, som = 128 Hz. (2. strukt. dyreste part. tone.)

Rettningsbestemt melos med ubestemte toneintervaller. Rumklang.



This image shows a page of musical notation consisting of ten horizontal staves. The notation is extremely faint and illegible, appearing as scattered black dots and short horizontal lines. A watermark is visible in the center of the page, consisting of a grey square with four white dots and the text "NB noter" and "This music is copyright protected" in red.

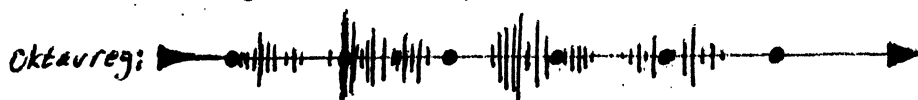
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INVERSION

T-ST. ELEKTRONISK SATS.

(Opus 39 nr. 6, Björn Funggaard)

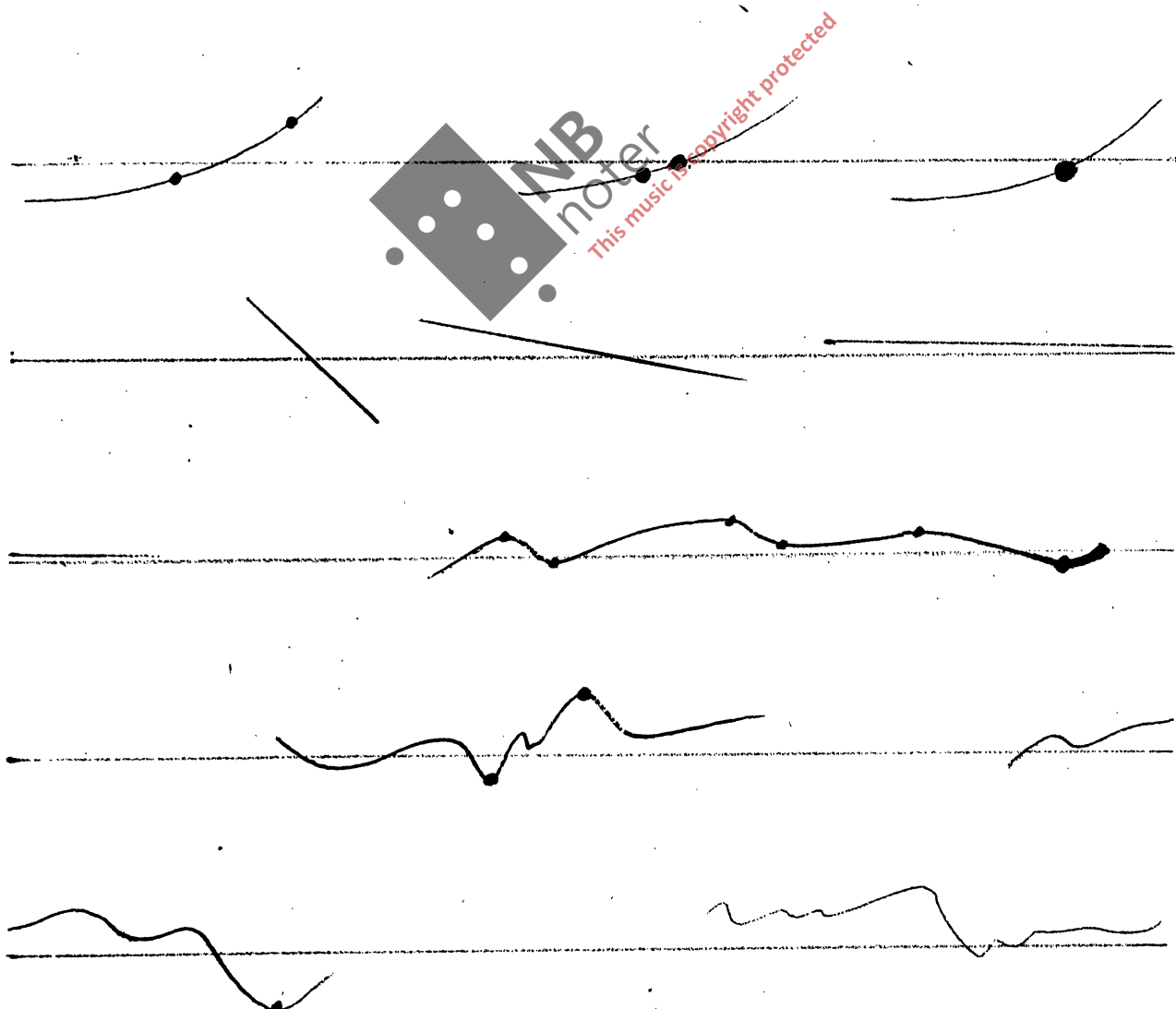
Tilnærmet klangkvalitet hos stemmen, 3: partialtonenes frekvens- og styrkeforhold, udtrykt ved følgende grafiske fremstilling:

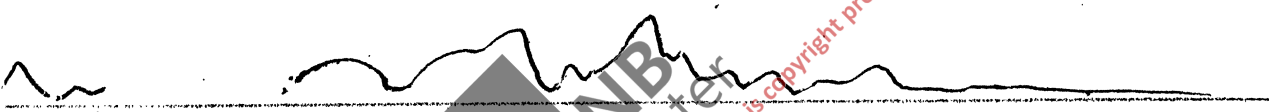
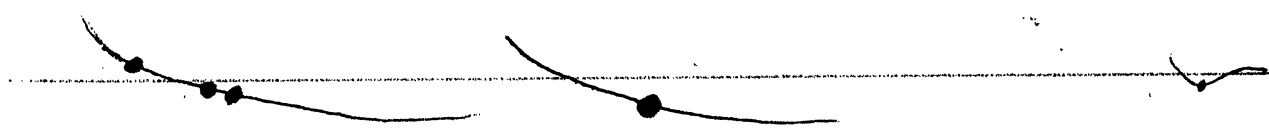
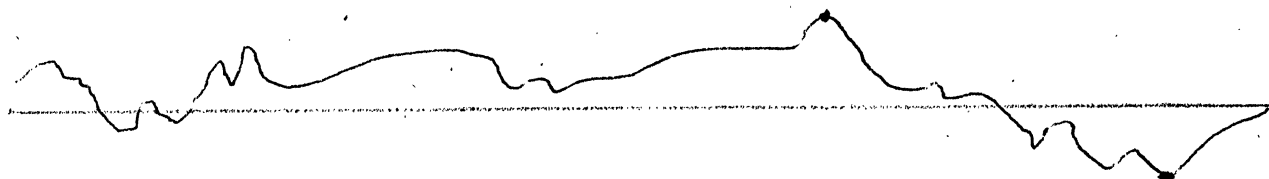


Aleat. Funksj. *MMMM*

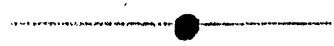
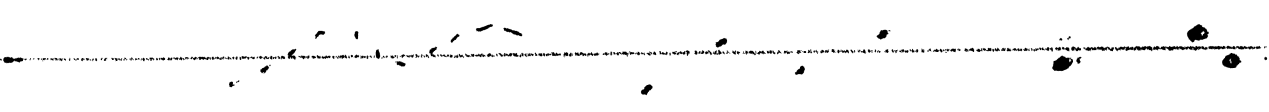
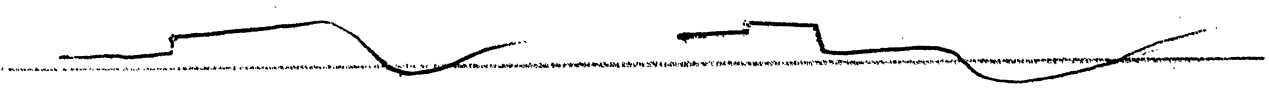
1 cm. \approx 1 sek.

55 ms — pp.
 1 oktav \approx 0.3 cm. udsz. fra 17750, som = 128 Hz. (3: strukt. dybeste part. tone.)
 Retningsbestemt melos med ubestemte toneintervaller. Rumklang.





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INVENSIÓN

I-ST. ELEKTRONISK SATS.

(Opus 39 nr. 7, Björn Fenysser)

Tilnærmad klangkvalitet hos stemmen
 af partialtonenes frekvens- og styrke-
 forhold uttrykt ved følgende grafiske fremsk.

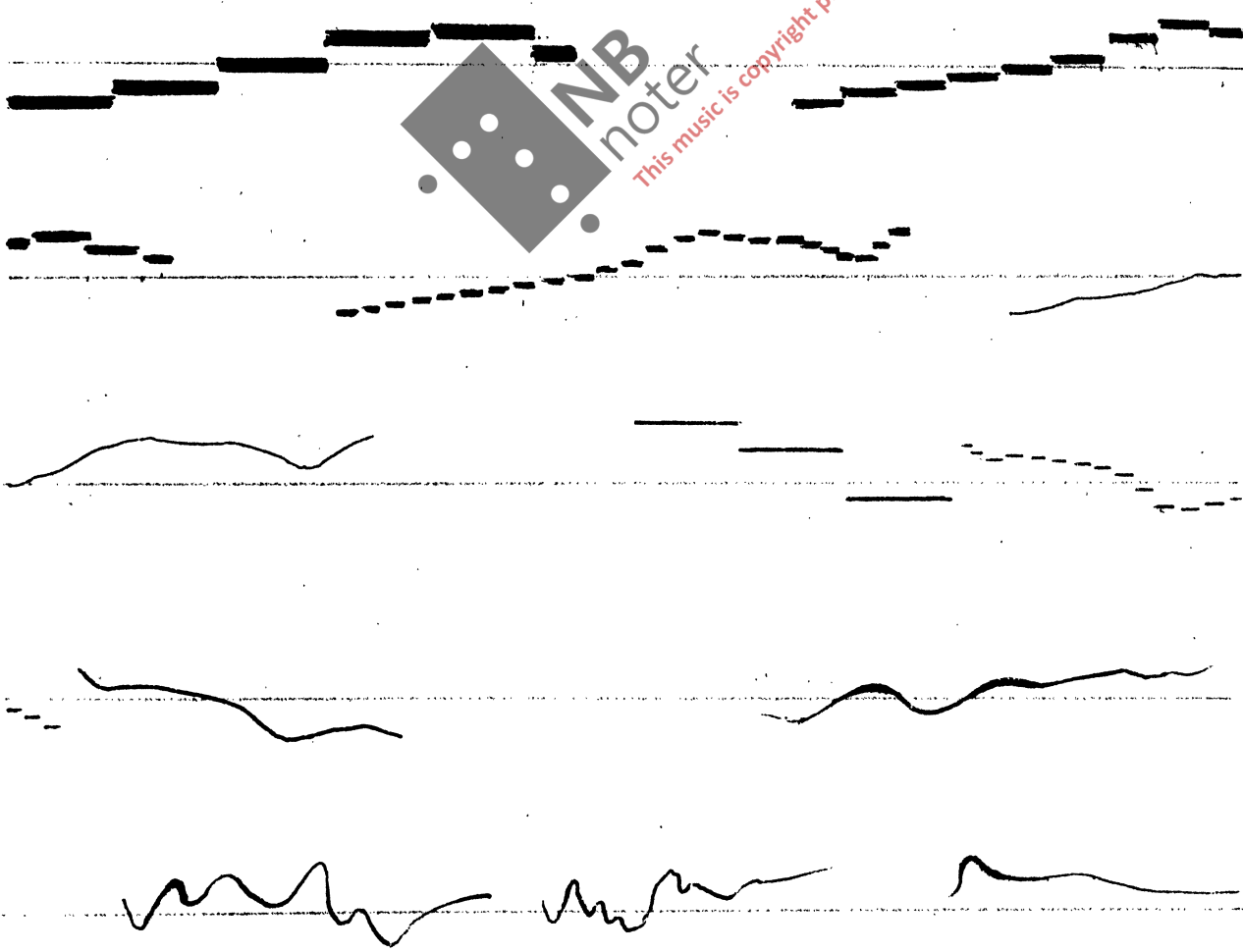


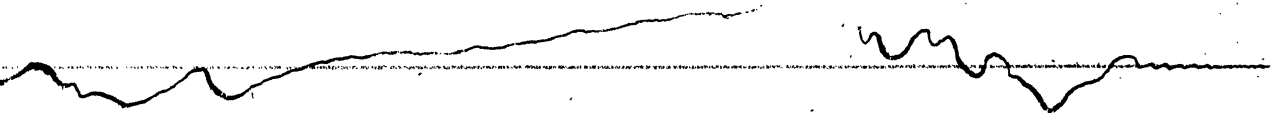
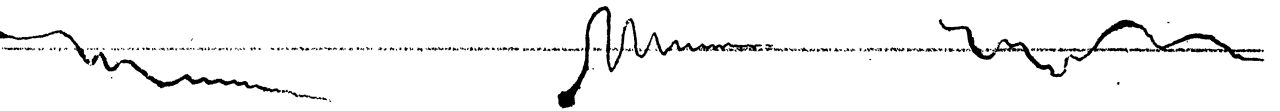
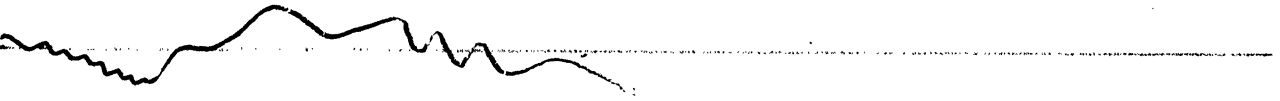
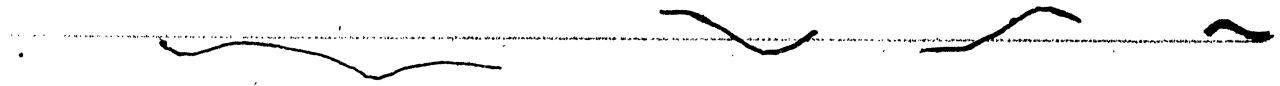
Aleat. Funksj. N N N N


1cm. \approx / sek.

ff, mf, pp.

1oktav \approx 0.3cm. avst. fra linjen, som = 128 Hz (7. strukt. dybeste part. tone)
 Regningsbestemt melos med ubestemt toneintervaller. Rumklang.



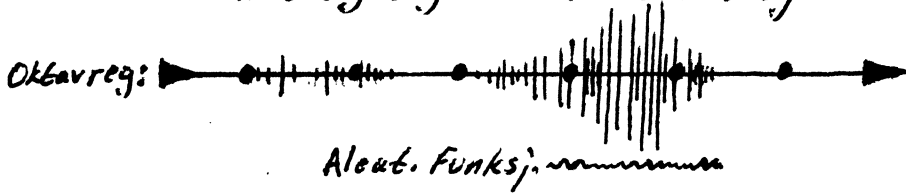


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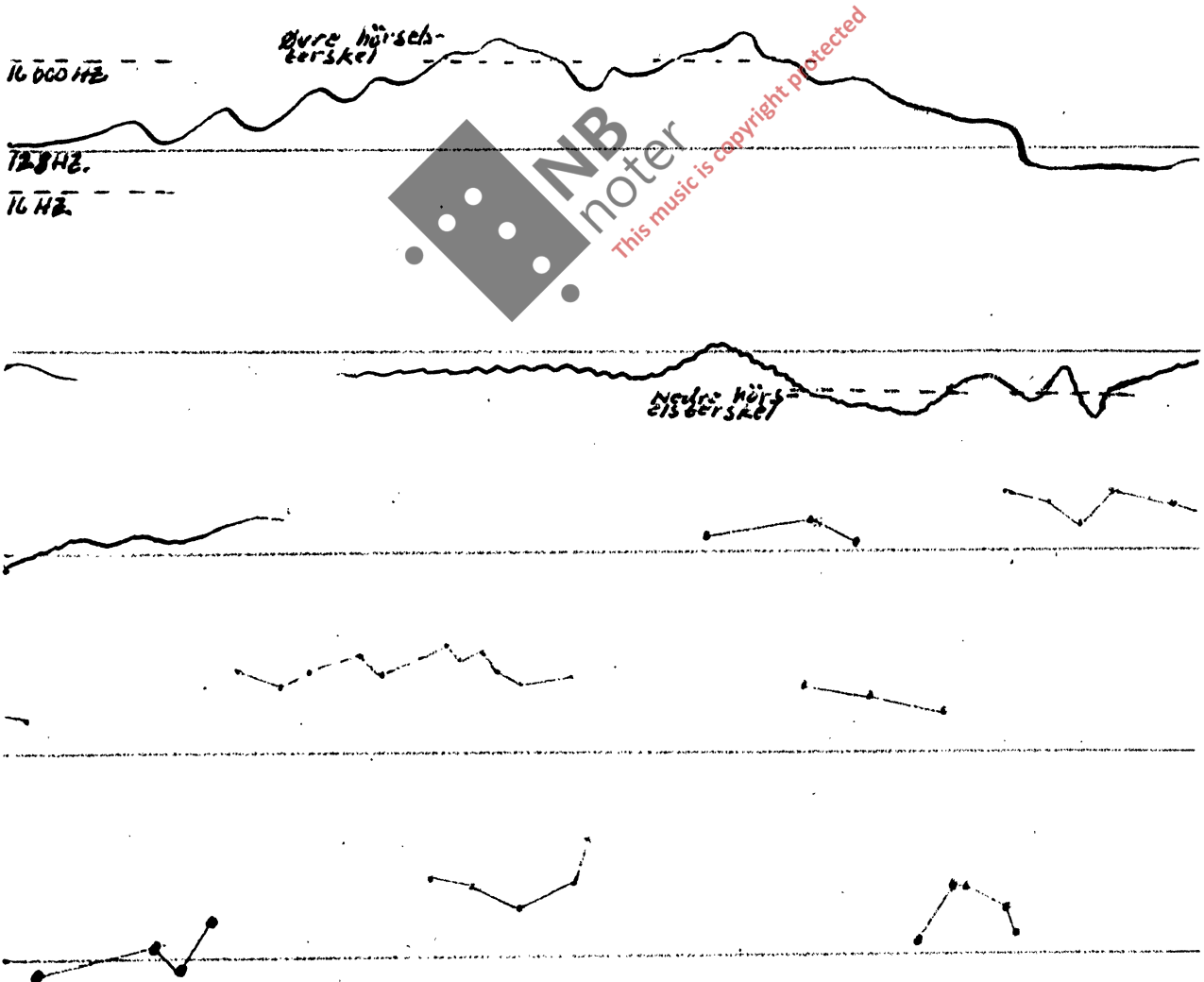
1-ST. ELEKTRONISK SATS.
(Opus 39 nr. 8, Björn Fungård)

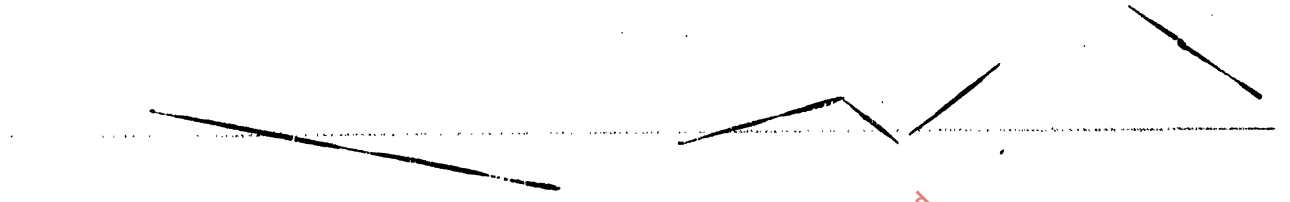
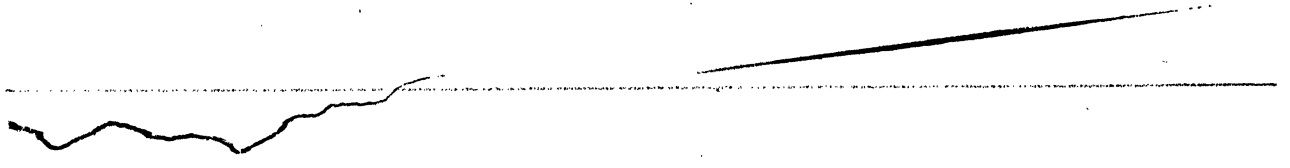
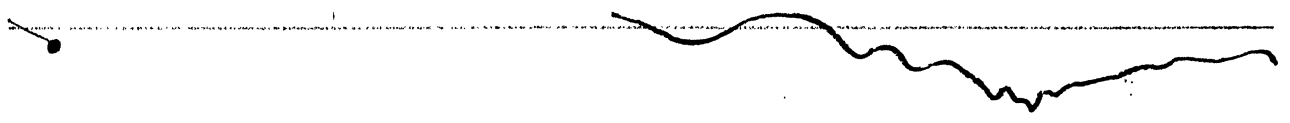
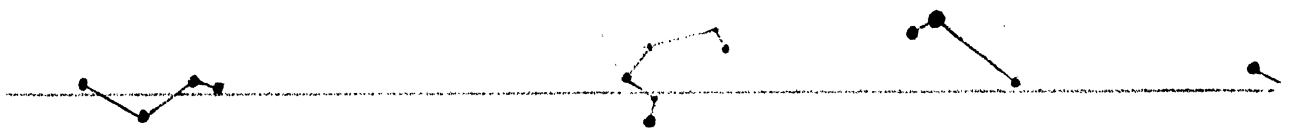
Tilnærmet klangkvalitet hos stemmen,
3. partialtonenes frekvens-, og styrke-
forhold uttrykt grafisk ved oktavdiagrammet:

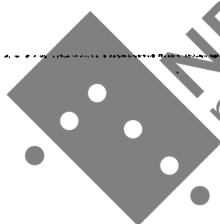


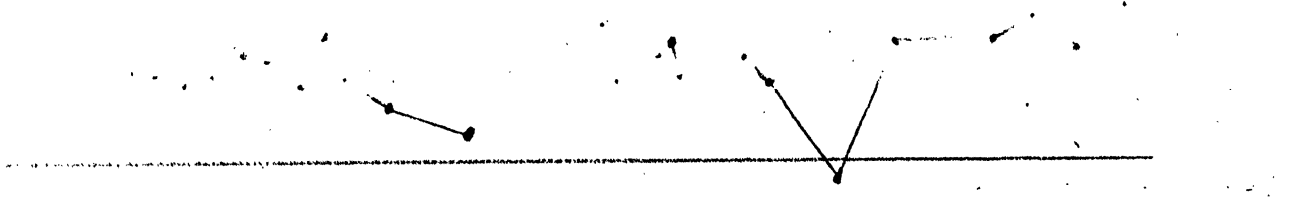
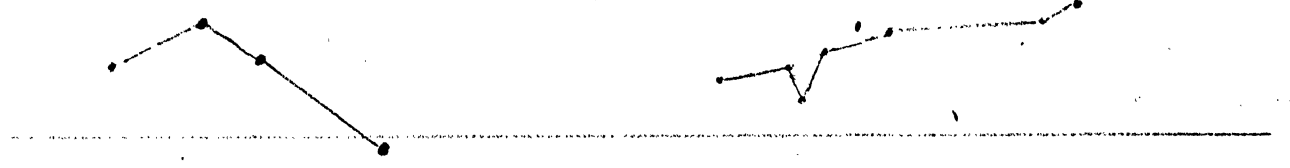
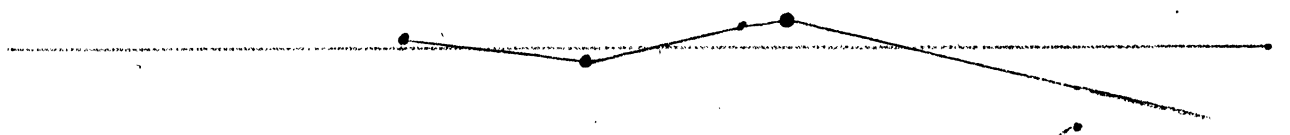
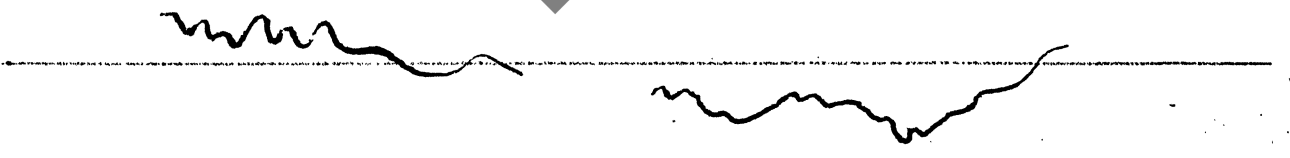
1 cm. \approx 1 sek.

$\frac{55}{1000}$ ms, — pp.
1 oktav \approx 0.13 cm. avst. fra linjen, som = 128 Hz. (3. strukt. dybeste part. tone.)
Retningsbestemt melos med ubestemte toneintervaller. Runkklang.





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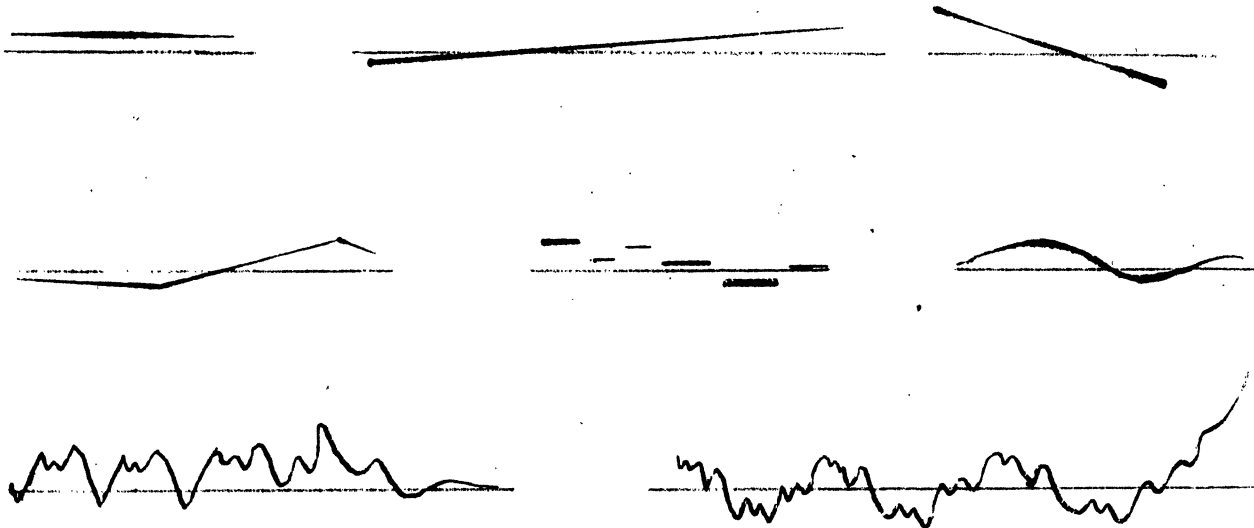
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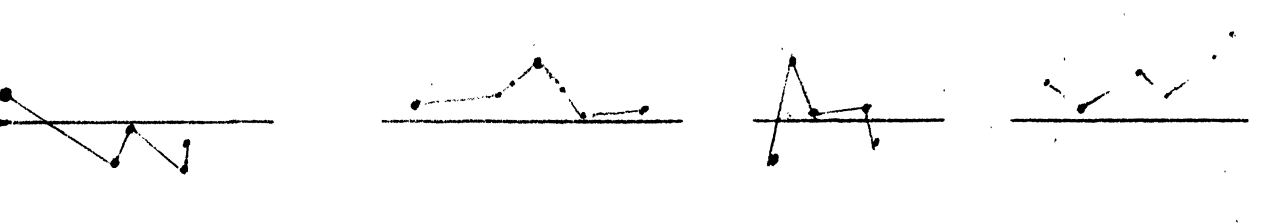
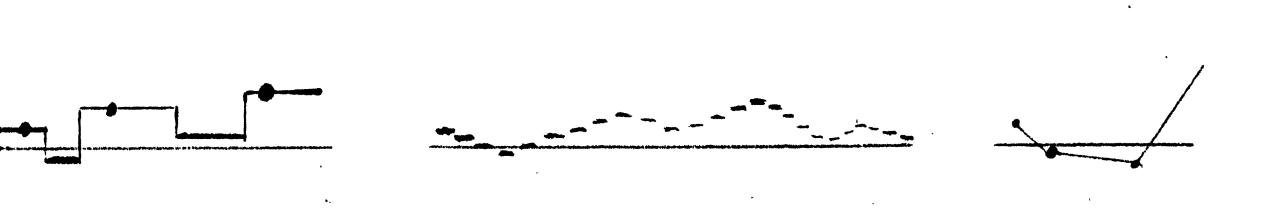
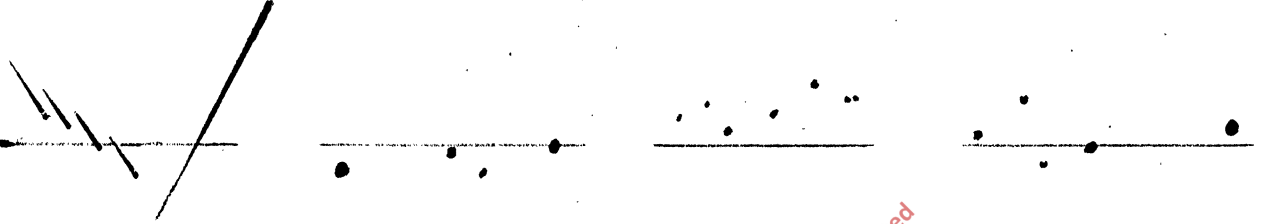
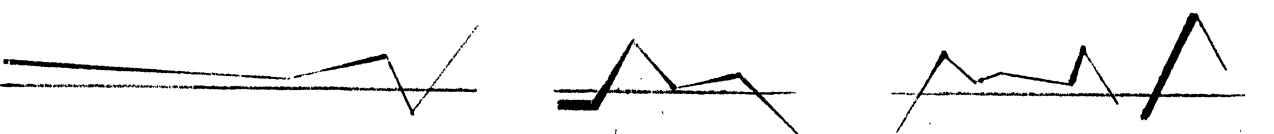
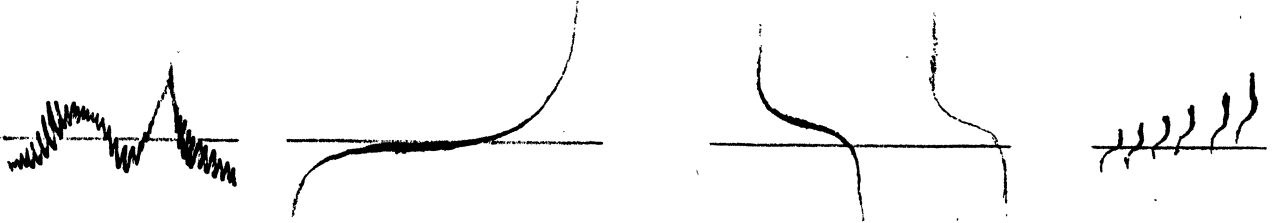
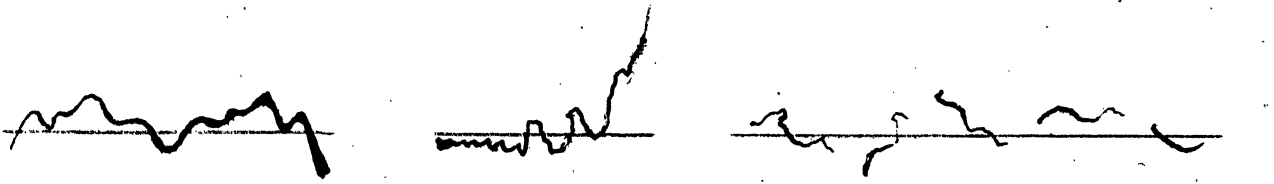
1-ST. ELEKTRONISK SATS.

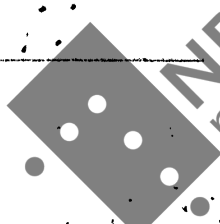
(Opus 39 nr. 9, Björn Fougner)

En fritt valgt klangkvalitet og akustisk funksjon hos stemmen.
1 cm. \approx 1 sek. (Mulig sp. t. fra ca. 5 sek. \rightarrow ∞)
1. oktav \approx 0.2 cm. avst. fra linjen, som = 256 Hz. (For dyreste part. tone.)
Rekkehøydebestemt melos med ubestemte toneintervaller. Runklung.

Den formale evolusjon baseres på fri og intuitiv sammenstilling av melosvalgets enkelte elementer til 1-st. sats. Sansynligheten for en rekkefølgebestemt kombinasjon på m -, av utvalgets n ledd avtar hurtig med meloselementenes antall, samtidig med at de formale kombinasjons-, og utviklingsmuligheter vokser i tilsvarende høy grad. Denne form for sansynlighetsmusikk er en analogi til naturens egne mulighetsbegrensede tilfeldighetsfunksjoner. Det er høyt differensiert kompleks av lovbestemte funksjoner, som på grunn av enorme variasjonsmuligheter, bygger på relativt få grunnelementer, ytrer seg for oss som tilfeldigheter.





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