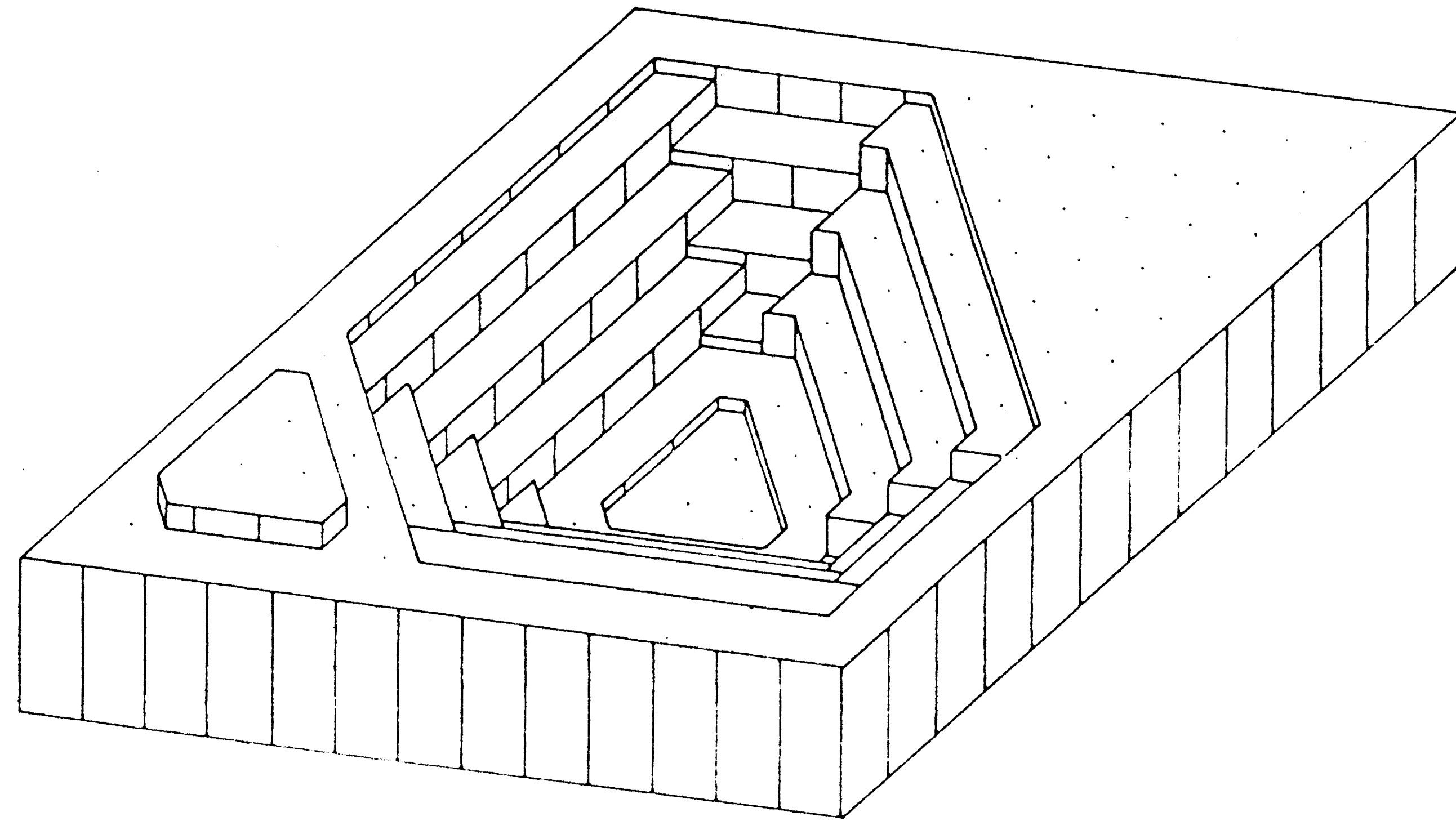
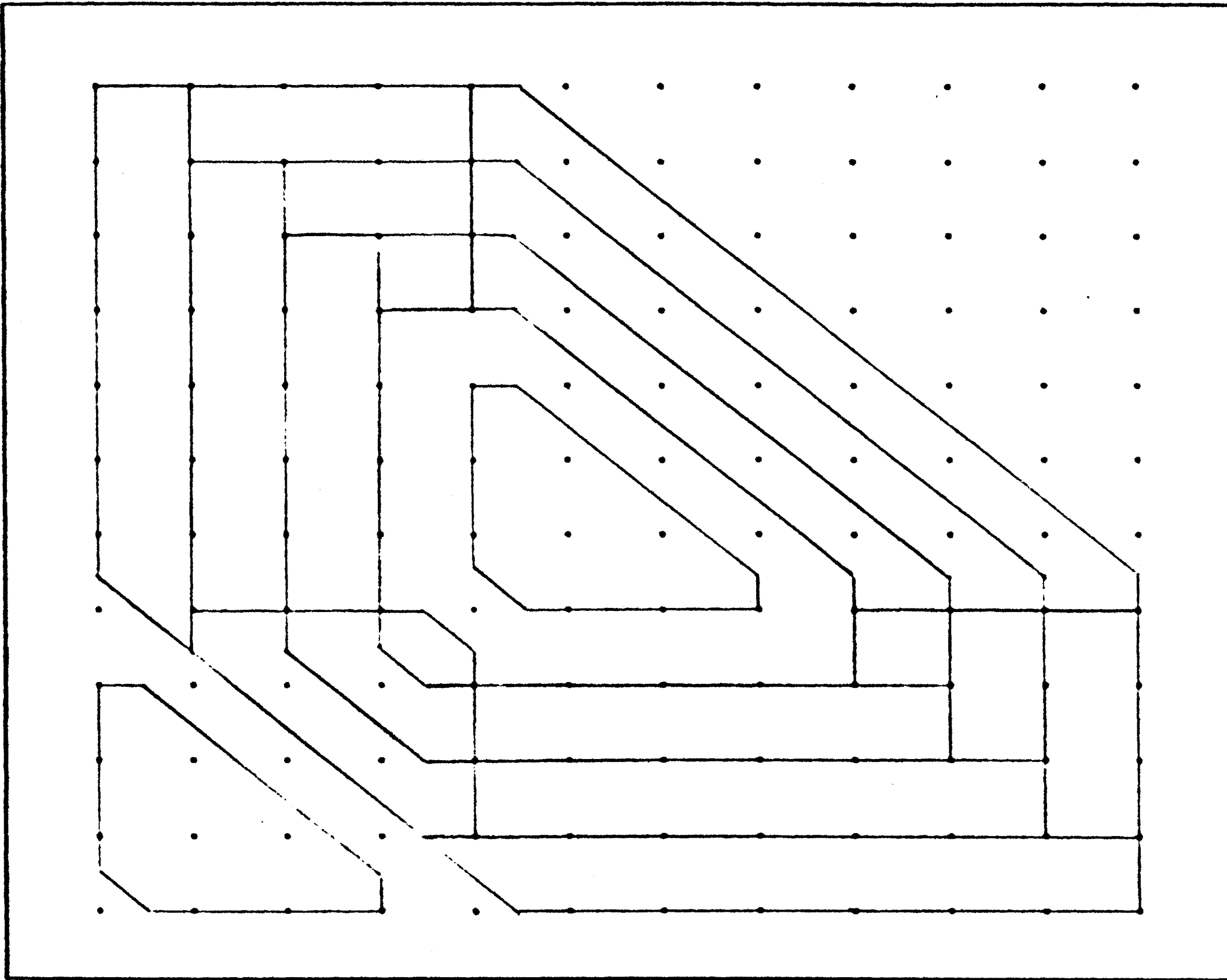


Herbert Kellertats sogenannte Bach-Stimmung (1966)

Das "Profil"
der Temperatur / des Instrumentes

Größe der
Tonstufen
(chromatisch
angeordnet)
in Cent

Oktave	113.685
gr.Sept.	90.225
kl.Sept.	105.214
gr.Sexte	98.696
kl.Sexte	92.178
Quinte	111.732
Tritonus	90.225
Quarte	111.732
gr.Terz	92.178
kl.Terz	98.696
Sekunde	105.214
Halbton	90.225
Prime	90.225



c g d e a h fis cis gis dis b f c

	c	g	d	a	e	h	fis	cis	gis	dis	b	f	c	
1.	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	Oktave
12.	0	-1.953	-6.518	-6.518	-6.518	-1.953	0.0	0.0	0.0	0.0	0.0	0.0	0	Quarte
11.	0	-1.953	-8.471	-13.036	-13.036	-8.471	-1.953	0.0	0.0	0.0	0.0	0.0	0	kl.Sept
10.	0	-1.953	-8.471	-14.989	-19.554	-14.989	-8.471	-1.953	0.0	0.0	0.0	0.0	0	kl.Terz
9.	0	-1.953	-8.471	-14.989	-21.507	-21.507	-14.989	-8.471	-1.953	0.0	0.0	0.0	0	kl.Sext
8.	0	-1.953	-8.471	-14.989	-21.507	-23.46	-21.507	-14.989	-8.471	-1.953	0.0	0.0	0	Halbton
7.	0	-1.953	-8.471	-14.989	-21.507	-23.46	-23.46	-21.507	-14.989	-8.471	-1.953	0.0	0	Triton
6.	0	-1.953	-8.471	-14.989	-21.507	-23.46	-23.46	-23.46	-21.507	-14.989	-8.471	-1.953	0	gr.Sept
5.	0	0.0	-6.518	-13.036	-19.554	-21.507	-21.507	-21.507	-21.507	-19.554	-13.036	-6.518	0	gr.Terz
4.	0	+4.565	0.0	-6.518	-13.036	-14.989	-14.989	-14.989	-14.989	-14.989	-13.036	-6.518	0	gr.Sext
3.	0	+4.565	+4.565	0.0	-6.515	-8.471	-8.471	-8.417	-8.417	-8.417	-8.417	-6.518	0	Sekunde
2.	0	+4.565	+4.565	+4.565	0.0	-1.953	-1.953	-1.953	-1.953	-1.953	-1.953	-1.953	0	Quinte
1.	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	Prime

Herbert Kellertats sogenannte Bach-Stimmung (1966)

Verteilung des pK \approx 23.46 cent

Verteilung des pK im Quintenzirkel

f	-----	c
b	-----	f
dis	-----	b
gis	-----	dis
cis	-----	gis
fis	-----	cis
h	-----	fis
e	- 1.953	h
a	- 6.518	e
d	- 6.518	a
g	- 6.518	d
c	- 1.953	g

Schisma

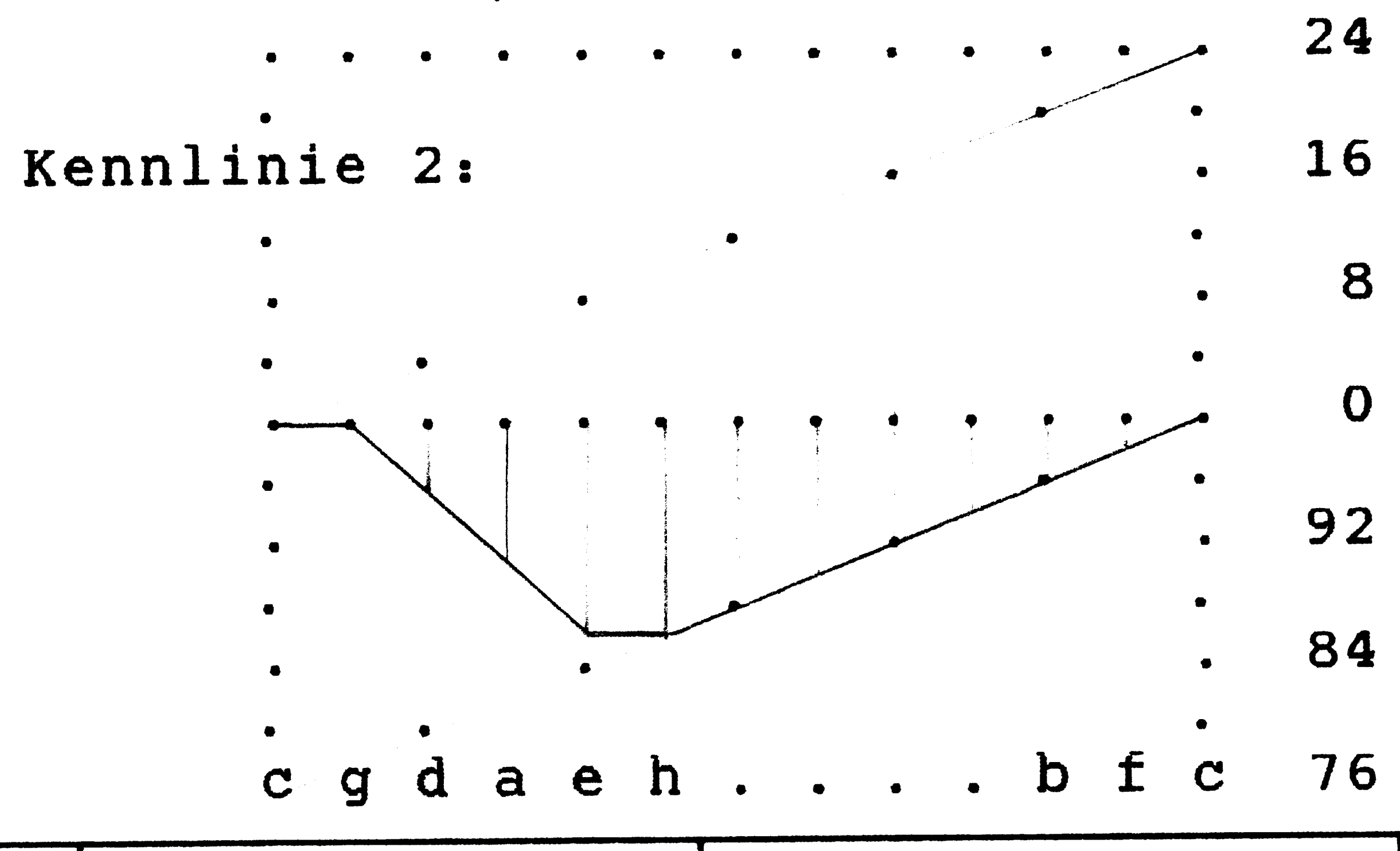
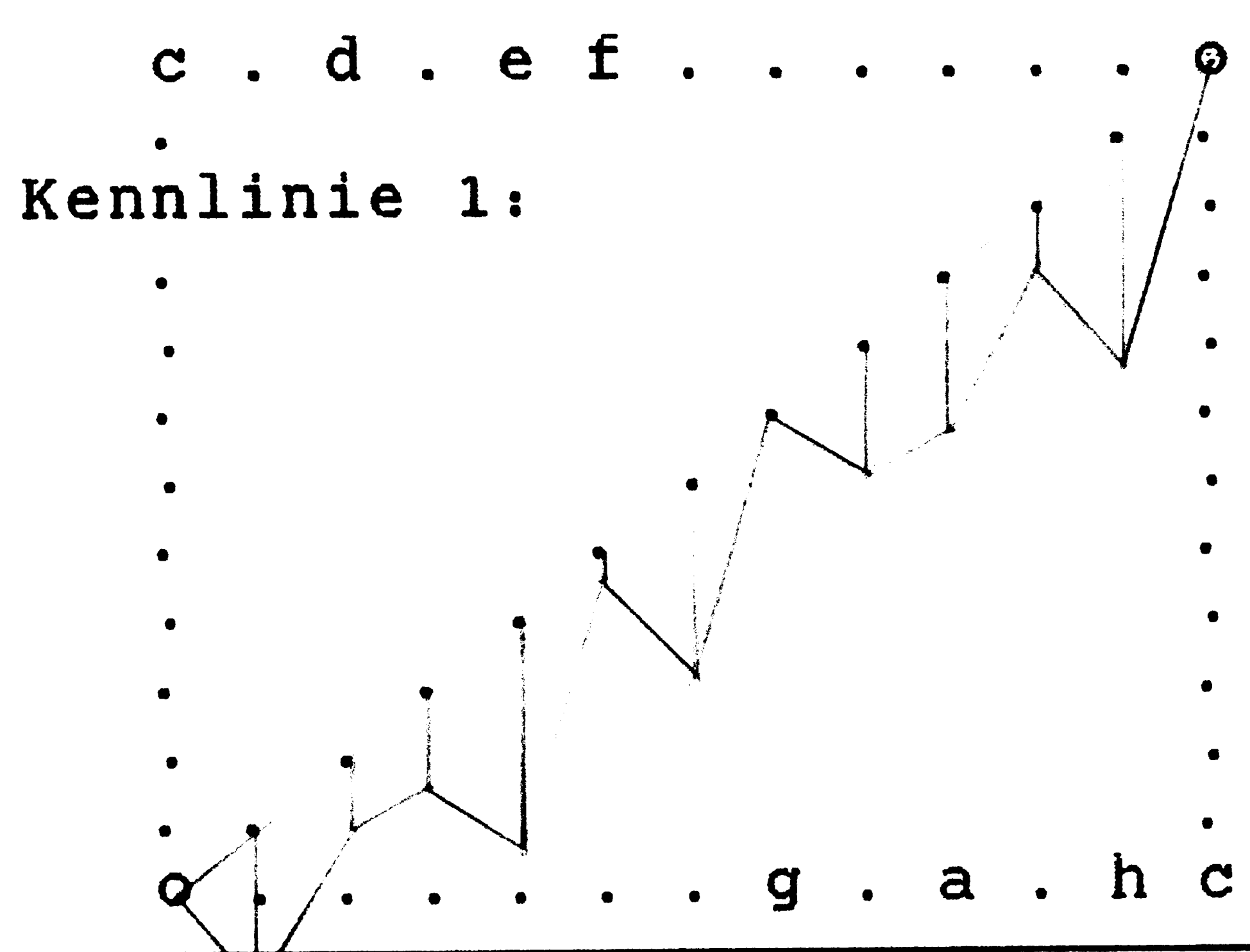
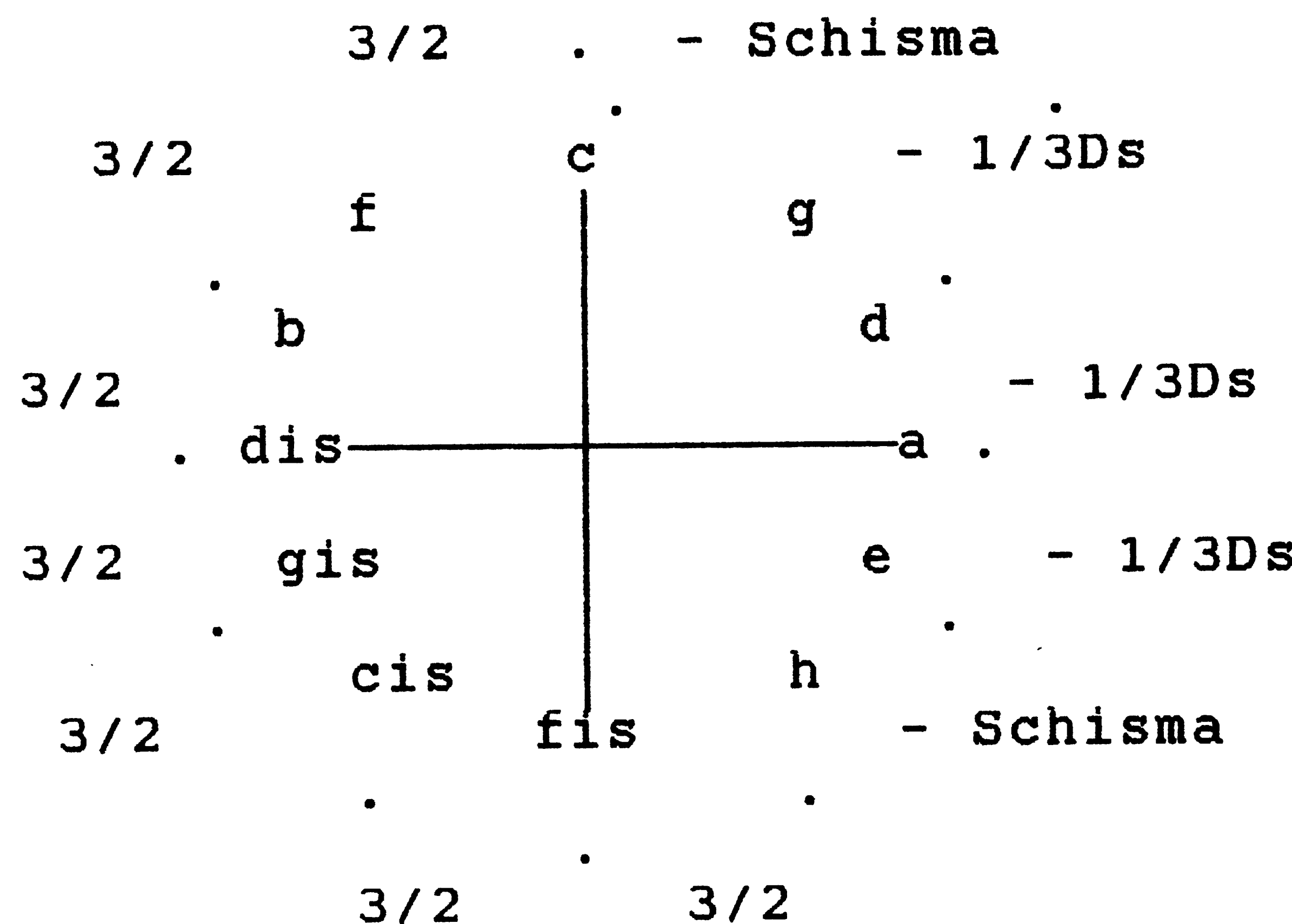
32805
32768

Ds =
Diaschisma

2048
2025

=====

- 23.460



Quinten		Quarten		Großterzen		Kleinterzen	
f	701.955	c	498.045	f	392.831	a	309.124
b	701.955	f	498.045	b	399.349	d	302.606
dis	701.955	b	498.045	dis	405.867	g	296.088
gis	701.955	dis	498.045	gis	407.820	c	294.135
cis	701.955	gis	498.045	cis	407.820	f	294.135
fis	701.955	cis	498.045	fis	407.820	b	294.135
h	701.955	fis	498.045	h	407.820	dis	294.135
e	700.002	h	499.998	e	405.867	gis	294.135
a	695.437	e	504.563	a	399.349	cis	296.088
d	695.437	a	504.563	d	392.831	fis	302.606
g	695.437	d	504.563	g	386.313	h	309.124
c	700.002	g	499.998	c	386.313	e	313.689

Intervall- bezeichnung	Quotient	Dezimal zahl	Centwert des Intervalls	Frequenzbeispiele
Oktave	2/1	2.0	1200.000	c 536.0 >440.0< a
gr.Sept.	4096/2187	1.8728852	1086.315	h 492.6 412.0 gis
kl.Septime	16/9	1.7777778	996.090	b 467.6 391.1 g
g.S. $8x^3\sqrt{4x^3\sqrt{5/9x^3\sqrt{3}}$		1.6729527	890.876	a >440.0< 368.0 fis
kl.Sexte	128/81	1.5802469	792.180	gis 415.6 347.7 f
Quinte	$2^{14}/5x3^7$	1.4983082	700.002	g 394.1 329.6 e
Tritonus	1024/729	1.4046639	588.270	fis 369.4 309.0 dis
Quarte	4/3	1.3333333	498.045	f 350.7 293.3 d
große Terz	5/4	1.25	386.313	e 328.8 275.0 cis
kl.Terz	32/27	1.1851852	294.135	dis 311.7 260.7 c
G-ton	$256x^3\sqrt{2/81x^3\sqrt{9x^3\sqrt{5}}$	1.1195088	195.439	d 294.4 246.3 h
Halbton	256/243	1.0534979	90.225	cis 277.1 231.8 b
Grundton	1/1	1.0	0.000	c 263.0 220.0 a