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INTONATIONSDIAGRAMM

Obertonintervalle in der gleichstufigen Oktav-Zwölfteilung

Chromatische Skala:	b2	2	b3	3	4	4ü	5	b6	6	b7	7	8
Ratio:	1,059463...	1,122462...	1,189207...	1,259921...	1,334840...	1,414214...	1,498307...	1,587401...	1,681793...	1,781797...	1,887749...	

1	1,039259...		1,200711...			1,400664...		1,572193...	1,665680...	1,747819...	1,869662...	2
Unisono	1,049313...	1,111708...		1,247850...		1,427894...		1,602757...		1,799034...	1,906010...	Oktav

						Quint	3/2 1,5					
				Quart 4/3	1,3				5/3 1,6			
		Große Terz 5/4		1,25			6/4			Naturseptim 7/4	1,75	
		Kleine Terz	6/5 1,2		7/5 1,4			8/5 1,6			9/5 1,8	
		7/6		8/6			9/6		10/6		11/6	
		8/7		9/7		10/7 1,428571...	11/7	1,571429...	12/7		13/7	
Großer Ganzton	9/8 1,125		10/8				12/8			14/8	15/8 1,875	
Kleiner Ganzton	10/9 1,1		11/9	12/9		13/9	14/9		15/9	16/9	17/9	
	11/10		12/10		14/10		15/10	16/10		18/10	19/10 1,9	
	12/11	13/11	14/11		15/11	16/11	17/11	18/11		20/11	21/11	
	13/12	14/12	15/12	16/12	17/12		18/12	19/12	20/12	21/12	22/12	23/12
	14/13	15/13							22/13	23/13	24/13	25/13
	15/14	16/14					21/14			25/14	26/14	27/14
Diatonischer Halbton	16/15 1,06	17/15	18/15	19/15 1,26	20/15	21/15		24/15	25/15		27/15	28/15 29/15
		(Pythagoreische Terz 81/64)			1,265625							
	17/16	18/16	19/16	20/16			24/16		27/16	28/16		30/16 31/16
	18/17 1,058824...	19/17	20/17			24/17		27/17				32/17 33/17
	19/18	20/18	21/18		24/18		27/18		30/18		32/18	34/18 35/18
	20/19			24/19					32/19		34/19	36/19 37/19
	21/20 1,05		24/20	25/20		28/20	30/20	32/20		35/20	36/20	38/20 39/20
	22/21	25/21			28/21				35/21			41/21
	23/22					31/22	33/22	35/22	37/22	39/22		43/22
	24/23			29/23						41/23		45/23
Chromat. Halbton	25/24 1,041667...	27/24	28/24	30/24	32/24	34/24	36/24	38/24	40/24	42/24	43/24	45/24 47/24
	26/25	28/25		30/25		35/25			40/25	43/25	45/25	47/25 49/25

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Arithmetische Skala mit Partialtonproportionen in der Oktav-Zwölfteilung
Musikalische Tonintervalle, inkl. „Naturseptime“ 7/4, Selektive Temperierung

A: Naturtonleiter, B: Durchgehend temperiert

	Stimmung A:	**Stimmung B:**			
c´	523,3 Hz, 2/1 (+0)	523,3 Hz, 2/1 (+0)	c´´ = 8 = 2/1 = 2	40/20	
			1,95 =	39/20	38/19
h´	490,5 Hz, 15/8 (-12)	494,1 Hz, 17/9 (= 34/18) (+0)	h´ = 7 = 19/10 = 1,9	38/20	37/19	36/18
			ais´/b´ = b7 = 1,85	37/20	36/19	35/18	34/17
			ais´/b´= b7= 9/5 = 1,8	36/20	35/19	34/18	33/17	32/16
ais´/b´	466,3 Hz, 41/23 (+1)	465,1 Hz, 16/9 = 32/18 (-1)			
a´	457,8 Hz, 7/4 (+68)		N7 = 7/4 = 1,75	35/20	34/19	33/18	32/17	31/16	30/15
			17/10 = 1,7	34/20	33/19	32/18	31/17	30/16	29/15	28/14
		440,6 Hz, 32/19 (+2)	a´ = 1,6842105...		
			1,65 =	33/20	32/19	31/18	30/17	29/16	28/15	27/14	26/13
gis´/as´	414,2 Hz, 19/12 (-5)	415,5 Hz, 27/17 (+1)	gis´/as´=b6= 8/5 = 1,6	32/20	31/19	30/18	29/17	28/16	27/15	26/14	25/13	24/12
			1,55 =	31/20	30/19	29/18	28/17	27/16	26/15	25/14	24/13	23/12
g´	392,4 Hz, 3/2 (+2)	392,4 Hz, 3/2 = 27/18 (+2)	g´ = 3/2 = 1,5	30/20	29/19	28/18	27/17	26/16	25/15	24/14	23/13	22/12
			1,45 =	29/20	28/19	27/18	26/17	25/16	24/15	23/14	22/13	21/12
fis´/ges´	368,6 Hz, 31/22 (-6)	370,6 Hz, 17/12 (-2)			
fis´/ges´			fis´/ges´= 4ü=7/5 = 1,4	28/20	27/19	26/18	25/17	24/16	23/15	22/14	21/13	20/12
f´	348,8 Hz, 4/3 (-2)	348,8 Hz, 4/3 = 24/18 (-2)	1,35 =	27/20	26/19	25/18	24/17	23/16	22/15	21/14	20/13	19/12
			13/10 = 1,3	26/20	25/19	24/18	23/17	22/16	21/15	20/14	19/13	18/12
e´	327,0 Hz, 5/4 (-14)	329,8 Hz, 29/23 (+1)	e´ = 3 = 5/4 = 1,25	25/20	24/19	23/18	22/17	21/16	20/15	19/14	18/13	17/12
			dis´/es´=b3=6/5 = 1,2	24/20	23/19	22/18	21/17	20/16	19/15	18/14	17/13	16/12
dis´/es´	311,4 Hz, 25/21 (+1)	311,4 Hz, 25/21 (+1)			
dis´/es´			1,15 =	23/20	22/19	21/18	20/17	19/16	18/15	17/14	16/13	15/12
d´	294,3 Hz, 9/8 (+4)	294,3 Hz, 9/8 = 18/16 (+4)	d´ = 11/10 = 1,1	22/20	21/19	20/18	19/17	18/16	17/15	16/14	15/13	14/12
cis´/des´	275,6 Hz, 20/19 (-10)	277,0 Hz, 18/17 (-1)			
cis´/des´			cis´/des´= b2 = 1,05	21/20	20/19	19/18	18/17	17/16	16/15	15/14	14/13	13/12
c´	261,6 Hz, 1/1 (+0)	261,6 Hz, 1/1 (+0)	c´ = 1/1 = 1	20/20	19/19	18/18	17/17	16/16	15/15	14/14	13/13	12/12

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