

Eesti Arnold Schönbergi Ühing
Nüüdismuusika oskuskomitee komisjon
INTERVALLIDE LOEND
LIST OF PITCH INTERVALS

seisuga
Comments | Kommentaarid:
tsent=1200*log(lugeja/nimetaja)/log(2)
vj_aste=G/H*1

9/7/2023

edo-vjog=>võrdsetl [aotatud oktav

no	size in cents	name in Estonian	parallel names in Estonian	name in English	name in German	comment	basis of formation	helisageduste suhe
nr	suurus tsentide	nimetus eesti keeles	paralleelsed nimetused eesti keeles	nimetus inglise keeles	nimetus saksa keeles	kommentaar	moodustamise alus lugeja	nimetaja kordaja
1	0.000	puhas prim	prim, unison	unison, perfect prime			1 / 1	1
2	0.009	üliväike stentsillisma		supraminor scintillisma	Superkleines Funkelisma		194481 / 194480	194481
3	0.014	Chalmersi komma		chalmersia	Chalmersia		123201 / 123200	123201
4	0.026	65537. osaheli		sixty-five-thousand-five-hundred-thirty-seven			65537 / 65536	65537
5	0.075	väike harmonisma		lesser harmonisma	kleiner Harmonisma		23232 / 23231	23232
6	0.088	suur harmonisma		greater harmonisma	grosser Harmonisma		19657 / 19656	19657
7	0.149	odiheimi komma		odheim comma	odheim		151263 / 151250	151263
8	0.163	harmonisma		harmonisma	Harmonisma		10648 / 10647	10648
9	0.177	Gaussi komma	kalisma	kalisma, Gauss' comma	Kalisma, Gauss-Komma		9801 / 9800	9801
10	0.260	jakobiindekomma		jacobi comma			6656 / 6655	6656
11	0.292	Monzo komma		monzisma	Monzisma	http://tonalsoft.com/encm/	450359962737049600 / 450283905890997363	4503599627370
12	0.325	maastikukomma		landscape comma	Landschaftkomma		250047 / 250000	250047
13	0.396	ragisma	tige komma	ragisma	Ragisma		4375 / 4374	4375
14	0.410	härjapõlvilasekomma		leprechaun comma	Gnomkomma		4225 / 4224	4225
15	0.423	kolmeümmendikskisma	sagitaalne skisma	tridecimal schisma, sagittal schisma	tridezimales Schisma, Sagittales Schisma		4096 / 4095	4096
16	0.572	lehmiserisma		lehmiserisma	Lehmiserisma		3025 / 3024	3025
17	0.721	Breedi komma	breedsma	breedsma	Breedsma	https://en.xen.wiki/w/Graf	2401 / 2400	2401
18	0.749	hemigail		hemigail	Hemigail		43923 / 43904	43923
19	0.833	Avicenna komma		ibnsinna	ibnsinna		2080 / 2079	2080
20	0.841	ksenisma		xenisma	Xenisma		2058 / 2057	2058
21	0.862	ühesandikkomma		ennealimnal comma	Neunalimatisches Komma		762597451250 / 762597484987	762597484987
22	0.879	sesdecad		sesdecad	Sesdecad		234375 / 234256	234375
23	1.000	tsent		cent	Annäherung von 1 Cent		2^{1/1200}	2
24	1.009	lumma komma		lummic comma			1716 / 1715	1716
25	1.117	wizma		wizma, ennprod = breedsma + ragisma	Wizma		420175 / 419904	420175
26	1.200	millioktav		millioctave			1443 / 1442	1443
27	1.345	trifonisma		triphonisma	Triaphonisma		1288 / 1287	1288
28	1.384	poolkolmandikkomma		semithirds comma	Semithirds Komma		274877906944 / 274658203125	274877906944
29	1.419	kantonisma		cantonisma	Cantonisma		10985 / 10976	10985
30	1.424	Eratosthenese komma		Eratosthenes' comma	Eratosthenes-Komma		1216 / 1215	1216
31	1.628	tertsiade		tertiadee = schisma - breedsma + ragisma			703125 / 702464	703125
32	1.730	muinasjutukomma		fairytale comma	Märchenkomma		1001 / 1000	1001
33	1.954	skisma (muusika)skisma	Werckmeisteri aste	schisma, grad Werckmeister	Schisma		32805 / 32768	32805
34	2.200	nikola		nicola	Nicola		1575 / 1573	1575
35	2.310	vanahina komma		ancient Chinese tempering	altchinesische Temperierung		750 / 749	750
36	2.349	Horwelli komma		horwell comma, tertiapont = schisma + ragi	Horwell-Komma		65625 / 65536	65625
37	2.362	Parizeki komma	petrma	Parizek comma, petrma	Parizek-Komma		2200 / 2197	2200
38	2.376	skubema		squbema	Squbema		729 / 728	729
39	2.423	limit-17 sildkomma		septendecimal bridge comma	septendezimales Brückenkomma		715 / 714	715
40	2.563	saarekomma		island comma	Eiland-Komma		676 / 675	676
41	2.816	19vjo komma		19-tone comma	19-Ton Komma		19073486328125 / 19042491875328	1907348632812
42	3.032	limit-11 skisma		undecimal schisma	undezimales Schisma		4000 / 3993	4000
43	3.209	Sweti komma		Swets' comma	Swets-Komma		540 / 539	540
44	3.338	Višnu komma		Vishnu comma	Vishnu Komma		6115295232 / 6103515625	6115295232
45	3.378	limit-19 komma	Boethiuse komma	undecimesimal comma, Boethius' comma	undevioezimales Komma, Boethius-Komma		513 / 512	513
46	3.615	Mercatori komma		Mercator's comma	Mercators Komma		19383245667680019896796723 / 19342813113834066795298816	1938324566768
47	3.734	Freivaldi komma		Freivald comma	Freivalds Komma		29360128 / 29296875	29360128
48	3.781	millioktavikomma		moddel			1375 / 1372	1375
49	3.792	vadisma		wadisma	Wadisma		201768035 / 201326592	201768035
50	3.804	limit-7 skisma	beeta 2	beta 2, septimal schisma	Beta 2, septimales Schisma		33554432 / 33480783	33554432
51	3.930	Werckmeisteri limit-11 seitsmeastmelin		Werckmeister's undecimal septenarian schi	Werckmeisters undezimales septenarische Sch		441 / 440	441
52	4.000	kolmesajandikoktav		savart, "eptamérie"			2^{1/300}	2
53	4.093	Cuthberti komma		Cuthbert comma	Cuthbert-Komma		847 / 845	847
54	4.503	limit-11 kleisma		undecimal kleisma, Keemun comma	undezimales Kleisma		385 / 384	385
55	4.763	mahe komma		gentle comma	sanft Komma		364 / 363	364
56	4.802	Dudoni komma		Dudon comma	Dudon-Komma		361 / 360	361
57	4.925	minthma		minthma	Minthma		352 / 351	352
58	4.939	halli hundi komma		ratwolf comma	Ratwolf-Komma		351 / 350	351
59	5.292	parakleisma		parakleisma	Parakleisma		122440064 / 1220703125	122440064
60	5.335	marveli kaksikute komma		marveltwin	Marveltwin		325 / 324	325
61	5.362	Porwelli komma		porwell comma	Porwell-Komma		6144 / 6125	6144
62	5.758	Garibaldii komma	beeta 5	beta 5, Garibaldi comma	Beta 5, Garibaldi-Komma		5120 / 5103	5120
63	5.362	hewuermity		hewuermity = septimal kleisma - tertiapont			6144 / 6125	6144
64	5.758	hemifamily		hemifamily = septimal kleisma - schisma, be			5120 / 5103	5120
65	6.001	limit-17 väikse sekundi komma		septendecimal minor second comma			289 / 288	289
66	6.083	keskmise sekundi komma		middle second comma, parahew = septimal	mittelgrosse Sekundekomma		3136 / 3125	3136
67	6.154	amity komma		amity comma = kleisma - schisma	Amity-Komma, Kleisma - Schisma		1600000 / 1594323	1600000
68	6.353	tannisma		tannisma			273 / 272	273
69	6.479	parafi		hemimage, parafi = septimal kleisma - schi	Hemimage		10976 / 10935	10976
70	6.595	stearnsma		stearnsma	Stearnsma		118098 / 117649	118098
71	6.656	myhemiwel		myhemiwel			3388 / 3375	3388
72	6.776	limit-17 kleisma		septendecimal kleisma	septendezimales Kleisma		256 / 255	256
73	6.990	väiksem BP diesis		small BP diesis, mirkwai comma	minimale BP Diësis		16875 / 16807	16875
74	7.139	neutraalse terti komma	rastma	neutral third comma, rastma	neutrale Terz Komma		243 / 242	243
75	7.200	komplementaarne BP diesis		complementary BP diesis	komplementäre BP Diësis		823543 / 820125	823543
76	7.302	kestreli komma		kestrel comma	Kestrel Komma		1188 / 1183	1188
77	7.316	cataharry komma		cataharry comma	Cataharry Komma		19683 / 19600	19683
78	7.386	dimcomp		dimcomp comma	Dimcomp-Komma		390625 / 388962	390625
79	7.591	Blume komma		Blume comma			2057 / 2048	2057
80	7.712	marveli komma	limit-7 kleisma	marvel comma, septimal kleisma	septimales Kleisma		225 / 224	225
81	8.037	varunisma		varunisma	Varunisma		321489 / 320000	321489
82	8.107	kleisma	suur poolkomma	kleisma, semicomma majeur	Kleisma, grosses Halbkomma		15625 / 15552	15625
83	8.134	huntma		huntma	Huntma		640 / 637	640
84	8.264	kurb komma		spleen comma			210 / 209	210
85	8.394	orgonisma		orgonisma	Orgonisma		65536 / 65219	65536
86	8.433	gamelani komma		gamelan residue	Gamelanresiduum		1029 / 1024	1029
87	8.730	limit-17 komma		septendecimal comma	septendezimales Komma		2187 / 2176	2187
88	8.855	mynucuma		mynucuma	Mynucuma		196 / 195	196
89	9.154	küdooniakomma		quince	Quince		823543 / 819200	823543
90	9.688	limit-11 poolkomma		undecimal semicomma, pentacircle comma	undezimales Halbkomma		896 / 891	896
91	9.865	valinorsma		valinorsma	Valinorsma		176 / 175	176
92	9.948	Hunti 19-tsükliline komma		Hunt 19-cycle comma			131072 / 130321	131072
93	10.061	Fokkeri komma	poolkomma	Fokker's comma, semicomma	Halbkomma, Fokkers Komma		2109375 / 2097152	2109375
94	10.274	Schulteri komma		Schulter's comma	Schulter's Komma		169 / 168	169
95	10.437	aphrowe		aphrowe			1331 / 1323	1331
96	10.854	5/3 ja 53/32 komma		difference between 5/3 & 53/32			160 / 159	160
97	10.982	mehhanismikomma		mechanism comma			26411 / 26244	26411
98	11.352	Ganassi komma		Ganassi's comma	Ganassi-Komma		153 / 152	153
99	11.445	Würschmidt komma		Würschmidt's comma	Würschmidts Komma		393216 / 390625	393216
100	11.981	29. osaheli krooma		29th-partial chroma	Chroma zum 29. Teilton		145 / 144	145
101	12.064	grossma		grossma	Grossma		144 / 143	144
102	12.500	12vjo kuuteistkümmendiktoon		sixteenth tone			2^{1/96}	2
103	12.637	Gariberti komma		Gariberti comma	Gariberti-Komma		275 / 273	275
104	13.074	Orwelli komma		Orwell comma	Orwell-Komma		1728 / 1715	1728
105	13.399	keskmise poolkomma		medium semicomma, Sensi comma	mittelgross Halbkomma, Sensi-Komma		78732 / 78125	78732
106	13.469	limit-7 poolkomma		subseptimal semicomma, octagari = septim	septimales Halbkomma		4000 / 3969	4000
107	13.795	limit-7 väike komma	kuldnoakomma	small septimal comma, septimal semicomma	kleines septimales Komma, Stirling-Komma		126 / 125	126
108	14.191	väike BP diesis		minor BP diesis, sensamagic comma, octar	kleine BP Diësis, Sensamagic-Komma		245 / 243	245
109	14.367	limit-11 sekundi komma		undecimal seconds comma, biyatisma	undezimales Sekunden Komma		121 / 120	121
110	14.516	trimyna		trimyna	Trimyna		50421 / 50000	50421
111	14.613	secorian		secorian	Secorian		28672 / 28431	28672
112	14.730	Hunti madal 2 komma		Hunt flat 2 comma			4131 / 4096	4131
113	15.353	gravity komma		tösiine comma	Gravity-Komma		129140163 / 128000000	129140163
114	16.144	mirwomo komma		mirwomo comma	Mirwomo-Komma		33075 / 32768	33075
115	16.544	limit-23 komma		VICESIMOTERIAL COMMA	VICESIMOTERIALES KOMMA		736 / 729	736
116	16.567	limit-13 väike komma		small tridecimal comma	kleines tridezimales Komma		105 / 104	105
117	16.667	72vjo aste		1 step in 72edo			2^{1/72}	2
118	16.827	hemimin		hemimin	hemimin		1344 / 1331	1344
119	16.990	limit-13 neutraalse terti komma		tridecimal neutral third comma			512 / 507	512
120	17.399	Ptolemaiose komma		Ptolemy's comma	Ptolemy-Komma		100 / 99	100
121	17.576	limit-11 väike komma		small undecimal comma	kleines undezimales Komma		99 / 98	99
122	17.599	udune komma		Misty comma = diaschisma - schisma	Misty-Komma, Diaschisma - Schisma		67108864 / 66430125	67108864
123	18.128	19. osaheli krooma		19th-partial chroma	Chroma zum 19. Teilton		96 / 95	96
124	18.168	ditonma		ditonma	Ditonma		1220703125 / 1207959552	1220703125
125	19.130	limit-13 keskmise komma		medium tridecimal comma, superleap	mittelgross tridezimales Komma		91 / 90	91
126	19.553	diaskisma		diaskisma, comma (minor) = syntonic com	Diaskisma		2048 / 2025	2048
127	19.845	41vjo komma		41-tone comma	41-Ton Komma		36893488147419103232 / 3647299637710786403	3689348814741
128	19.948	tolerma		tolerma	Tolerma		179200 / 177147	179200
129	20.785	nuwelli komma		nuwell comma = syntonic comma - breeds	Nuwell-Komma		2430 / 2401	2430
130	21.181	suur BP diesis		major BP diesis, Gariboh comma	grosse BP Diësis		3125 / 3087	3125
131	21.330	Nautiluse komma		Nautilus comma			245 / 242	245
132	21.506	süntooniline komma	suur komma, Didymose kom	syntonic comma, Didymus comma, comma	syntonisches Komma, didymisches Komma		81 / 80	81
133	21.902	keema	supermaagiline komma	keema, supermagic comma = syntonic com	Keema		875 / 864	875
134	22.227	valentinikomma		Squalentine	Squalentine		64827 / 64000	64827
135	22.339	limit-13 väikse terti komma		tridecimal minor third comma			78 / 77	78
136	22.413	Blackjacki komma		Blackjack comma	Blackjack-Komma		854296875 / 843308032	854296875
137	22.631	53vjo komma		approximation to 53-tone comma	Annäherung an 53-Ton Komma		77 / 76	77
138	22.642	53vjo aste		Holdrian comma, Holder's comma, 1 step in			2^{1/53}	2
139	23.460	Pythagorase komma	ditooniline komma	pythagorean comma, ditonic comma = synt	pythagoräisches Komma			

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INTERVALLIDE LOEND
LIST OF PITCH INTERVALS

seisuga 9/7/2023

Comments | Kommentaarid:
tsent=1200*log(lugeja/nimetaja)/log(2)

vj_aste=6/H*1

edo=vjov÷võrdsetl jaotatud oktav

											helisageduste suhe		
no	size in cents	name in Estonian	parallel names in Estonian	name in English	name in German	comment	basis of formation	lugeja	lugeja	nimetaja	kordaja		
nr	suurus tsentide	nimetus eesti keeles	paralleelsed nimetused ee	nimetus inglise keeles	nimetus saksa keeles	kommentaar	moostamise alus						
157	33.487	limit-29 komma		(vicesimononal comma	vicesimononales Komma		261 / 256	261	256	1	1		
158	34.283	17. osaheli krooma		(17th-partial chroma	Chroma zum 17. Teilton		51 / 50	51	50	1	1		
159	34.905	ükssarvikukomma		(unicorn comma	Unicorn-Komma		1594323 / 1562500	1594323	1562500	1	1		
160	34.976	Erlichi komma		(Erlich's decatonic comma, tritonic diesis, ju	Erlichs decatonic Komma, Tritonus Diësis		50 / 49	50	49	1	1		
161	35.261	31vjo komma		(tricesimoprimal comma	tricesoprimal Komma		248 / 243	248	243	1	1		
162	35.371	suurem BP diesis		(great BP diesis	maximale BP Diësis		15625 / 15309	15625	15309	1	1		
163	35.697	limit-7 komma	slendro diesis	(septimal comma 3, slendro diesis, septimal	Slendro Diësis, septimale Sechstelton		49 / 48	49	48	1	1		
164	35.767	five komma		(five's comma	Fifves-Komma		9765625 / 9565938	9765625	9565938	1	1		
165	36.952	limit-11 väike diesis		(undecimal minor diesis	undezimale kleine Diësis		8192 / 8019	8192	8019	1	1		
166	37.721	viipuukomma		(sycamore comma	Sycamore-Komma		48828125 / 47775744	48828125	47775744	1	1		
167	38.051	23. osaheli krooma		(23rd-partial chroma	Chroma zum 23. Teilton, ca. Fünfteilton		46 / 45	46	45	1	1		
168	38.710	31vjo aste		(1 step in 31edo			2^{1/31}	2	1	31	1		
169	38.906	limit-11 viiendiktoon		(undecimal 1/5-tone	Fünfteilton		45 / 44	45	44	1	1		
170	40.000	12vjo viiendiktoon		(fifth tone			2^{1/30}	2	1	30	1		
171	41.059	enharmonic diesis	enharmonic diesis, diesis	(enharmonic diesis, minor diesis, diesis, 5-lir	kleine Diësis, Diësis, Enharmonisches Komma		128 / 125	128	125	1	1		
172	41.719	limit-41 väiksem viiendiktoon		(lesser 41-limit fifth tone			42 / 41	42	41	1	1		
173	42.749	limit-41 suurem viiendiktoon		(greater 41-limit fifth tone			41 / 40	41	40	1	1		
174	43.013	kahelkordne süntooniline komma	Mathieu suur diesis	(double syntonic comma, Mathieu superdies	Mathieu Superdiësis		6561 / 6400	6561	6400	1	1		
175	43.408	Avicenna enharmonic diesis		(Avicenna enharmonic diesis = minor diesis	Avicenna's enharmonische Diësis		625 / 612	625	612	1	1		
176	43.831	limit-13 väike diesis		(tridecimal minor diesis	tridezimale kleine Diësis		40 / 39	40	39	1	1		
177	44.130	pilvekoma		(cloudy			16807 / 16384	16807	16384	1	1		
178	44.840	alumine komma		(supracomma			352 / 343	352	343	1	1		
179	44.970	alumine veerandtoon		(superior quarter-tone, gann, novendecimal			39 / 38	39	38	1	1		
180	46.169	limit-37 väiksem veerandtoon		(lesser 37-limit quarter tone			38 / 37	38	37	1	1		
181	47.212	immuunuskomma		(immunity comma	Immunity-Komma		1638400 / 1594323	1638400	1594323	1	1		
182	47.434	limit-37 suurem veerandtoon		(greater 37-limit quarter tone			37 / 36	37	36	1	1		
183	48.348	limit-13 suur diesis	limit-7 veerandtoon	(septimal diesis, septimal 1/4-tone	tridezimale grosse Diësis		1053 / 1024	1053	1024	1	1		
184	48.770	limit-7 diesis	limit-7 veerandtoon	(septimal diesis, septimal 1/4-tone	septimale Diësis, Viertelton		36 / 35	36	35	1	1		
185	49.166	okassekomma	suurim diesis	(maximal diesis, porcupine comma = septim	maximale Diësis		250 / 243	250	243	1	1		
186	49.492	keega		(keega = septimal 1/4-tone + breedsma	Keega		1029 / 1000	1029	1000	1	1		
187	49.977	Meshaqahi veerandtoon		(Meshaqah's 1/4-tone	Meshaqahs Viertelton		246 / 239	246	239	1	1		
188	50.000	12vjo veerandtoon		(12edo quarter tone			2^{1/24}	2	1	24	1		
189	50.184	limit-17 veerandtoon		(septendecimal 1/4-tone	septendezimaler Viertelton		35 / 34	35	34	1	1		
190	50.724	Harrisoni komma		(Harrison's comma = septimal 1/4-tone + scl	Harrisons Komma		59049 / 57344	59049	57344	1	1		
191	51.120	Negri komma		(Negri comma, double augmentation diesis			16875 / 16384	16875	16384	1	1		
192	51.682	limit-17 suurem veerandtoon		(Greater 17-limit quarter tone, Greater septe			34 / 33	34	33	1	1		
193	52.732	šrutari veerandtoon		(šrutari quarter tone			100 / 97	100	97	1	1		
194	53.273	limit-11 komma		(undecimal comma, al-Farabi's 1/4-tone, 33r			33 / 32	33	32	1	1		
195	54.458	myna komma		(mynic			10077696 / 9765625	10077696	9765625	1	1		
196	54.545	22vjo väike sekund	22vjo veerandtoon	(22edo quarter tone, 22edo minor 2nd			2	2	1	22	1		
197	54.964	kreeka enharmonic veerandtoon		(Greek enharmonic 1/4-tone			32 / 31	32	31	1	1		
198	56.482	greenwoodma komma		(greenwoodma			405 / 392	405	392	1	1		
199	56.549	529. osaheli		(Five-hundred-twenty-ninth harmonic			529 / 512	529	512	1	1		
200	56.767	31. osaheli krooma		(31st-partial chroma			31 / 30	31	30	1	1		
201	57.273	shibbolethi komma		(Shibboleth comma			1953125 / 1889568	1953125	1889568	1	1		
202	58.692	limit-29 väiksem veerandtoon		(Lesser 29-limit quarter tone			30 / 29	30	29	1	1		
203	60.412	limit-11 suur diesis		(undecimal major diesis			729 / 704	729	704	1	1		
204	60.611	kirekomma		(Passion comma			262144 / 253125	262144	253125	1	1		
205	60.751	limit-29 suurem veerandtoon		(Greater 29-limit quarter tone			29 / 28	29	28	1	1		
206	62.565	suur diesis		(major diesis = septimal 1/3-tone - ragisma			648 / 625	648	625	1	1		
207	62.961	Archytase kolmandiktoon, limit-7 kolma		(Archytas' 1/3-tone, septimal 1/3-tone			28 / 27	28	27	1	1		
208	63.814	beetaskaala aste		(Beta scale step			(3 / 2)^{1/11}	3	2	11	1		
209	65.337	limit-13 komma		(tridecimal comma			27 / 26	27	26	1	1		
210	66.339	133. osaheli		(One-hundred-thirty-third harmonic			133 / 128	133	128	1	1		
211	66.667	12vjo kolmandiktoon		(Third tone			2^{1/18}	2	1	18	1		
212	66.765	Pythagorase topelvähendatud tert		(pythagorean double diminished third			134217728 / 129140163	134217728	129140163	1	1		
213	67.900	limit-13 kolmandiktoon		(tridecimal 1/3-tone			26 / 25	26	25	1	1		
214	68.719	raske väike sekund		(grave minor second			20480 / 19683	20480	19683	1	1		
215	69.555	limit-7 suur diesis		(septimal major diesis			17496 / 16807	17496	16807	1	1		
216	70.672	kromaatilne diesis		(chromatic diesis, just chromatic semitone, le			25 / 24	25	24	1	1		
217	73.681	limit-23 väike pooltoon		(vicesimoterial minor semitone			24 / 23	24	23	1	1		
218	75.000	16vjo aste, 48vjo kolm astet		(1 step in 16edo, 3 steps in 48edo			2^{1/16}	2	1	16	1		
219	75.964	nuusecond		(nusecond			51018336 / 48828125	51018336	48828125	1	1		
220	76.034	limit-7 väike pooltoon		(septimal minor semitone			256 / 245	256	245	1	1		
221	76.826	sevond		(sevond			5000000 / 4782969	5000000	4782969	1	1		
222	76.956	limit-23 suurem pooltoon		(Greater 23-limit semitone			23 / 22	23	22	1	1		
223	77.995	alfaskaala aste		(Alpha scale step			(3 / 2)^{1/9}	3	2	9	1		
224	78.114	valentinipooltoon		(Valentine semitone			68 / 65	68	65	1	1		
225	78.780	topellai komma		(doublewide			390625 / 373248	390625	373248	1	1		
226	79.307	67. osaheli		(Sixty-seventh harmonic			67 / 64	67	64	1	1		
227	80.537	limit-11 väike pooltoon		(undecimal minor semitone			22 / 21	22	21	1	1		
228	84.071	laineomma		(ripple			6561 / 6250	6561	6250	1	1		
229	84.467	limit-7 kromaatilne pooltoon	väike pooltoon	(minor semitone, septimal chromatic semitor			21 / 20	21	20	1	1		
230	84.933	trithagorese komma		(Trithagorean comma			1220703125 / 1162261467	1220703125	1162261467	1	1		
231	88.801	limit-19 väike pooltoon		(small undevicesimal semitone			20 / 19	20	19	1	1		
232	90.225	limma	Pythagorese väike sekund suur limma	(limma, pythagorean minor second = major			256 / 243	256	243	1	1		
233	92.179	suur krooma		(major chroma, major limma			135 / 128	135	128	1	1		
234	93.603	limit-19 pooltoon		(undevicesimal semitone			19 / 18	19	18	1	1		
235	97.364	limit-11 pooltoon		(undecimal semitone			128 / 121	128	121	1	1		
236	97.866	BP väiksem komma		(BP small link			413343 / 390625	413343	390625	1	1		
237	98.955	araabia lauto komma		(Arabic lute index finger			18 / 17	18	17	1	1		
238	99.955	Mersenne'i peaaegu võrdtempereritud		(Mersenne's quasi-equal semitone			52973 / 50000	52973	50000	1	1		
239	100.000	12vjo pooltoon		(Equal-tempered minor second or semitone			2^{1/12}	2	1	12	1		
240	100.099	peaaegu võrdtempereritud pooltoon		(quasi-equal semitone			89 / 84	89	84	1	1		
241	100.286	Woolhouse'i pooltoon		(Woolhouse semitone			78125 / 73728	78125	73728	1	1		
242	104.955	limit-17 pooltoon	17. osaheli	(17th harmonic, septendecimal semitone			17 / 16	17	16	1	1		
243	109.091	22vjo suurem väike sekund	22vjo pooltoon	(22edo semitone, 22edo upminor second			2	2	1	11	1		
244	111.309	Avicenna väike sekund		(Ibn Sina's minor second			273 / 256	273	256	1	1		
245	111.453	Stockhauseni pooltoon		("StuDie II" interval (compound just major thi			(5 / 1)^{1/25}	5	1	25	1		
246	111.731	väike diatooniline pooltoon	puhas diatooniline pooltoon	(just diatonic semitone, minor diatonic semit			16 / 15	16	15	1	1		
247	112.057	BP väike komma		(BP minor link			83349 / 78125	83349	78125	1	1		
248	113.685	Pythagorase suurendatud prim, apotod		(pythagorean augmented prime, apotome =			2187 / 2048	2187	2048	1	1		
249	116.234	limit-11 secor		(undecimal secor			77 / 72	77	72	1	1		
250	116.716	secor		(Secor			(18 / 5)^{1/19}	18	5	19	1		
251	119.047	BP suur pooltoon	limit-7 diatooniline pooltoon	(BP major link = septimal diatonic semitone			6561 / 6125	6561	6125	1	1		
252	119.443	suur diatooniline pooltoon		(major diatonic semitone, septimal diatonic s			15 / 14	15	14	1	1		
253	125.000	48vjo viis astet		(5 steps in 48edo			2^{5/48}	2	1	48	1		
254	125.922	limit-7 kakskolmandiktoon		(double septimal 1/3-tone			784 / 729	784	729	1	1		
255	128.298	limit-13 suur sekund	kakskolmandiktoon	(2/3-tone, tridecimal major 2nd			14 / 13	14	13	1	1		
256	130.229	69. osaheli		(Sixty-ninth harmonic			69 / 64	69	64	1	1		
257	132.220	kõrgem väike sekund		(supraminor second			68 / 63	68	63	1	1		
258	133.238	suur limma		(large limma, BP small semitone, Zarino ser			27 / 25	27	25	1	1		
259	137.145	limit-19 Pythagorase komma		(pythagorean-19 comma			1162261467 / 1073741824	1162261467	1073741824	1	1		
260	133.333	12vjo kakskolmandiktoon		(Two-third tone			2^{1/9}	2	1	9	1		
261	138.573	limit-13 väike sekund	limit-13 kakskolmandiktoon	(tridecimal 2/3-tone, tridecimal minor 2nd			13 / 12	13	12	1	1		
262	140.228	väiksem BP krooma		(minimal BP chroma			18225 / 16807	18225	16807	1	1		
263	140.949	Archytase kakskolmandiktoon		(Archytas' 2/3-tone			243 / 224	243	224	1	1		
264	143.498	limit-11 teine neutraalne sekund		(2nd undecimal neutral second			88 / 81	88	81	1	1		
265	144.818	pärsia neutraalne sekund		(Persian neutral second			162 / 149	162	149	1	1		
266	146.134	araabia neutraalne sekund		(Arabic neutral second			4608 / 4235	4608	4235	1	1		
267	147.428	väike BP pooltoon		(BP minor semitone			49 / 45	49	45	1	1		
268	149.984	Meshaqahi kolmneljandiktoon		(Meshaqah's 3/4-tone			241 / 221	241	221	1	1		
269	150.000	12vjo neutraalne sekund		(12edo neutral second			2^{1/24}	2	1	24	1		
2													

Eesti Arnold Schönbergi Ühingu
Nüüdimuusika oskusteke komisjon
INTERVALLIDE LOEND
LIST OF PITCH INTERVALS

seisuga 9/7/2023
Comments | Kommentaarid:
tsent=1200*log(lugeja/nimetaja)/log(2)
vj_aste=6/H*1
edo=1200*log(lugeja/nimetaja)/log(2)

Kalkuli:							helisageduste suhe		
no	size in cents	name in Estonian	parallel names in Estonian	name in English	name in German	comment	basis of formation	moodustamise alus	
nr	suurus tsentide	nimetus eesti keeles	paralleelsed nimetused ee	nimetus inglise keeles	nimetus saksa keeles	kommentaär	moostamise alus	lugeja	nimetaja
							lugeja	lugeja	lugeja
313	247.741	limit-13 viisneljandiktoon		(tridecimal 5/4-tone			15 / 13	15	13
314	249.471	viisneljandiktoon		(5/4-tone			231 / 200	231	200
315	250.000	12vjo viisneljandiktoon		(5 steps in 24edo, Five quarter tones			2^{5/24}	2	1 24
316	251.344	37. osaheli		(37th harmonic			37 / 32	37	32
317	252.680	Al-Hwarizmi'i lauto keskmine griff		(Al-Hwarizmi's lute middle finger			81 / 70	81	70
318	253.076	pooleniisi suurendatud tertveoon		(semi-augmented whole tone			125 / 108	125	108
319	262.368	55. osaheli		(55th subharmonic			64 / 55	64	55
320	266.871	limit-7 alumine väike tert		(septimal minor third			7 / 6	7	6
321	268.802	299. osaheli		(Two-hundred-ninety-ninth harmonic			299 / 256	299	256
322	270.675	Pythagorase topeltvähendatud kvart		(pythagorean double diminished fourth			16777216 / 14348907	16777216	14348907
323	272.629	raske väike tert		(grave minor third			2560 / 2187	2560	2187
324	272.727	22vjo väike tert	22vjo limit-7 väike tert	(22edo septimal minor third, 22edo minor 3rd					
325	274.582	klassikaline suurendatud sekund		(classic augmented second			75 / 64	75	64
326	275.000	48vjo ükssteist astet		(11 steps in 48edo			2^{11/48}	2	1 48
327	277.591	limit-23 väike tert		(vicesimoterial minor third			27 / 23	27	23
328	281.358	limit-17 suurendatud sekund		(septendecimal augmented second			20 / 17	20	17
329	284.447	limit-11 väike tert		(undecimal minor third			33 / 28	33	28
330	287.359	limit-17 väike tert		(septendecimal minor third			85 / 72	85	72
331	289.210	limit-13 väike tert		(tridecimal minor third, tridecimal diminished			13 / 11	13	11
332	294.135	Pythagorase väike tert		(pythagorean minor third			32 / 27	32	27
333	296.089	lai suurendatud sekund		(wide augmented second			1215 / 1024	1215	1024
334	297.513	19. osaheli		(19th harmonic			19 / 16	19	16
335	300.000	12vjo väike tert		(Equal-tempered minor third			2^{3/12}	2	1 12
336	301.847	BP sekund		(BP second, quasi-equal minor third			25 / 21	25	21
337	302.865	pärsia wosta		(Persian wosta			81 / 68	81	68
338	#DIV/0!	veerandkomma keskttoon väike tert		(Quarter-comma meantone minor third			6/5+(81/80)^{1/4}	0	0 1
339	311.980	alfaskaala väike tert		(Alpha scale minor third			(3 / 2)^{4/9}	3	2 9
340	315.641	puhas väike tert		(just minor third			6 / 5	6	5
341	317.595	Pythagorase suurendatud sekund		(pythagorean augmented second			19683 / 16384	19683	16384
342	320.144	Keemuni väike tert		(Keemun minor third			77 / 64	77	64
343	323.353	limit-7 lai väike tert		(septimal wide minor third			135 / 112	135	112
344	325.000	48vjo kolmteist astet		(13 steps in 48edo			2^{13/48}	2	1 48
345	327.273	22vjo suurem väike tert		(22edo greater minor third, 22edo upminor 3rd					
346	335.194	topeltvähendatud kvart		(double diminished fourth			4096 / 3375	4096	3375
347	336.130	ülemine väike tert		(supraminor third			17 / 14	17	14
348	337.148	terav väike tert		(acute minor third			243 / 200	243	200
349	342.483	39. osaheli		(39th harmonic, Zalzal wosta of Ibn Sina			39 / 32	39	32
350	342.857	7vjo kaks astet		(2 steps in 7edo			2^{2/7}	2	1 7
351	342.905	limit-7 neutraalne tert		(septimal neutral third			128 / 105	128	105
352	344.738	Avicenna neutraalne tert		(Ibn Sina's neutral third			72 / 59	72	59
353	345.255	klassikaline neutraalne tert		(classic neutral third			625 / 512	625	512
354	347.408	limit-11 neutraalne tert		(undecimal neutral third			11 / 9	11	9
355	349.924	seitsneljandiktoon		(7/4-tone			153 / 125	153	125
356	350.000	võrdtempeereeritud neutraalne tert		(Equal-tempered neutral third			2^{7/24}	2	1 24
357	350.617	väiksem neutraalse tertsi ümardus		(smaller approximation to neutral third			60 / 49	60	49
358	351.338	suurem neutraalse tertsi ümardus		(larger approximation to neutral third			49 / 40	49	40
359	354.547	neutraalne tert		(neutral third, Zalzal wosta of al-Farabi			27 / 22	27	22
360	359.472	limit-13 neutraalne tert		(tridecimal neutral third			16 / 13	16	13
361	364.537	79. osaheli		(Seventy-ninth harmonic			79 / 64	79	64
362	364.807	raske suur tert		(grave major third			100 / 81	100	81
363	365.825	alumine suur tert		(submajor third			21 / 17	21	17
364	366.761	topeltsuurendatud sekund		(double augmented second			10125 / 8192	10125	8192
365	375.000	48vjo viisteist astet		(15 steps in 48edo			2^{15/48}	2	1 48
366	378.602	limit-7 kitsas suur tert		(septimal narrow major third			56 / 45	56	45
367	381.818	22vjo väiksem suur tert		(22edo major third, 22edo downmajor 3rd					
368	384.360	Pythagorase vähendatud kvart		(pythagorean diminished fourth			8192 / 6561	8192	6561
369	386.314	puhas suur tert		(just major third			5 / 4	5	4
370	392.397	topelt keskmine sekund		(double middle second			784 / 625	784	625
371	397.100	161. osaheli		(One-hundred-sixty-first harmonic			161 / 128	161	128
372	399.090	limit-17 suur tert		(septendecimal major third			34 / 27	34	27
373	400.000	12vjo suur tert		(12edo major third			2^{4/12}	2	1 12
374	400.108	peaaegu võrdtempeereeritud suur tert		(quasi-equal major third			63 / 50	63	50
375	402.468	323. osaheli		(Three-hundred-twenty-third harmonic			323 / 256	323	256
376	404.442	limit-19 väiksem suur tert		(smaller undevicesimal major third			24 / 19	24	19
377	405.866	kitsas vähendatud kvart		(narrow diminished fourth			512 / 405	512	405
378	407.820	Pythagorase suur tert		(pythagorean major third			81 / 64	81	64
379	409.244	limit-19 ditoon		(undevicesimal ditone			19 / 15	19	15
380	412.745	limit-13 suur tert		(tridecimal major third			33 / 26	33	26
381	413.578	lai suur tert		(wide major third			80 / 63	80	63
382	417.508	limit-11 vähendatud kvart		(undecimal diminished fourth or major third			14 / 11	14	11
383	420.597	limit-17 vähendatud kvart		(septendecimal diminished fourth			51 / 40	51	40
384	424.364	limit-23 suur tert		(vicesimoterial major third			23 / 18	23	18
385	425.000	48vjo seitseteist astet		(17 steps in 48edo			2^{17/48}	2	1 48
386	427.373	klassikaline vähendatud kvart		(classic diminished fourth			32 / 25	32	25
387	429.062	41. osaheli		(41st harmonic			41 / 32	41	32
388	429.326	terav suur tert		(acute major third			6561 / 5120	6561	5120
389	431.280	Pythagorase topeltsuurendatud sekund		(pythagorean double augmented second			43046721 / 33554432	43046721	33554432
390	435.084	limit-7 kõrgem suur tert	BP tert	(septimal supermajor third, BP third			9 / 7	9	7
391	436.364	22vjo suur tert		(22edo septimal major third, 22edo major 3rd					
392	444.772	99. osaheli		(99th subharmonic			128 / 99	128	99
393	449.275	limit-7 poolvähendatud kvart		(9/4-tone, septimal semi-diminished fourth			35 / 27	35	27
394	450.000	24vjo üheksa astet		(9 steps in 24edo			2^{9/24}	2	1 24
395	450.047	83. osaheli		(Eighty-third harmonic			83 / 64	83	64
396	454.214	limit-13 poolvähendatud kvart		(tridecimal semi-diminished fourth			13 / 10	13	10
397	456.986	klassikaline suurendatud tert		(classic augmented third			125 / 96	125	96
398	462.348	limit-7 suur tert		(septatonic major third, 2 septatones			64 / 49	64	49
399	466.278	limit-11 poolvähendatud kvart		(undecimal semi-diminished fourth			72 / 55	72	55
400	470.781	limit-7 kvart	kitsas kvart	(narrow fourth, septimal 4th			21 / 16	21	16
401	474.585	Pythagorase topeltvähendatud kvint		(pythagorean double diminished fifth			2097152 / 1594323	2097152	1594323
402	475.000	48vjo üheksateist astet		(19 steps in 48edo			2^{19/48}	2	1 48
403	476.539	raske kvart		(grave fourth			320 / 243	320	243
404	478.492	lai suurendatud tert		(wide augmented third			675 / 512	675	512
405	480.000	5vjo kaks astet		(2 steps in 5edo			2^{2/5}	2	1 5
406	480.646	kaks limit-5 tertveooni		(2 pentatones			33 / 25	33	25
407	490.909	22vjo kvart		(22edo pure fourth					
408	491.269	85. osaheli		(Eighty-fifth harmonic			85 / 64	85	64
409	493.120	limit-13 mahe kvart		(tridecimal gentle fourth			117 / 88	117	88
410	498.045	puhas kvart		(just perfect fourth			4 / 3	4	3
411	499.999	limit-5 lähendus 12vjo kvardile		(fourth + schisma, 5-limit approximation to E			10935 / 8192	10935	8192
412	500.000	12vjo puhas kvart		(12edo pure fourth					
413	501.423	171. osaheli		(One-hundred-seventy-first harmonic			171 / 128	171	128
414	505.757	meeldiv kvart		(marvelous fourth			75 / 56	75	56
415	519.551	terav kvart		(acute fourth			27 / 20	27	20
416	510.513	beetaskaala puhas kvart		(Beta scale perfect fourth			(3 / 2)^{8/11}	3	2 11
417	511.518	43. osaheli		(Forty-third harmonic			43 / 32	43	32
418	514.286	7vjo kolm astet		(3 steps in 7edo			2^{3/7}	2	1 7
419	519.551	limit-5 hundikvart		(5-limit wolf fourth, acute fourth, imperfect fo			27 / 20	27	20
420	521.505	Pythagorase suurendatud tert		(pythagorean augmented third			177147 / 131072	177147	131072
421	525.000	48vjo 21 astet		(21 steps in 48edo			2^{21/48}	2	1 48
422	531.532	87. osaheli		(Eighty-seventh harmonic			87 / 64	87	64
423	533.742	araabia lauto terav kvart		(Arabic lute acute fourth			49 / 36	49	36
424	536.951	limit-11 suurendatud kvart		(undecimal augmented fourth			15 / 11	15	11
425	539.104	topeltvähendatud kvint		(double diminished fifth			512 / 375	512	375
426	545.455	22vjo väike tritoon		(22edo lesser undecimal tritone, 22edo up-4					
427	546.815	limit-7 poolsuurendatud kvart		(septimal semi-augmented fourth			48 / 35	48	35
428	549.165	topeltsuurendatud tert		(double augmented third			5625 / 4096	5625	4096
429	550.000	24vjo ükssteist astet		(11 steps in 24edo, Eleven quarter tones			2^{11/24}	2	1 24
430	550.058	ükssteisneljandiktoon		(11/4-tone			687 / 500	687	500
431	551.318	limit-11 poolsuurendatud kvart	11. osaheli	(undecimal semi-augmented fourth, 11th har			11 / 8	11	8
432	563.382	limit-13 suurendatud kvart		(tridecimal augmented fourth			18 / 13	18	13
433	564.810	Pythagorase topeltvähendatud sekst		(pythagorean double diminished sixth			536870912 / 387420489	536870912	387420489
434	568.717	klassikaline suurendatud kvart		(classic augmented fourth			25 / 18	25	18
435	570.880	89. osaheli		(Eighty-ninth harmonic			89 / 64	89	64
436	571.726	23. osaheli		(23rd subharmonic			32 / 23	32	23
437	575.000	48vjo kakskümmend kolm astet		(23 steps in 48edo			2^{23/48}	2	1 48
438	582.512	limit-7 kitsas tritoon	BP kvart	(septimal or Huygens' tritone, BP fourth, sep			7 / 5	7	5
439	588.270	Pythagorase vähendatud kvint		(pythagorean diminished fifth			1024 / 729	1024	729
440	590.224	diatooniline tritoon		(diatonic tritone			45 / 32	45	32
441	595.026	361. osaheli		(Three-hundred-sixty-first harmonic			361 / 256	361	256
442	597.000	limit-17 esimene tritoon		(1st septendecimal tritone			24 / 17	24	17
443	599.912	kvaasi-võrdtempeereeritud tritoon		(quasi-equal tritone			140 / 99	140	99
444	600.000	12vjo tritoon		(12edo tritone					
445	600.000	22vjo tritoon		(22edo tritone, 22edo downaug-4th/updim-5					
446	600.088	peaaegu võrdne tritoon		(2nd quasi-equal tritone			99 / 70	99	70
447	603.000	limit-17 teine tritoon		(2nd septendecimal tritone			17 / 12	17	12
448	609.354	91. osaheli		(Ninety-first harmonic			91 / 64	91	64
449	609.776	teine tritoon							

Esti Arnold Schönbergi Ühing
Nüüdismuusika oskuskoe komisjon
INTERVALLIDE LOEND
LIST OF PITCH INTERVALS

seisuga 9/7/2023

Comments | Kommentaarid:
tsent=1200*log(lugeja/nimetaja)/log(2)

vj aste=6/H*
edo=vjo+võrdsett | jaotatud oktav

Kalkuli: 1,049.363							helisageduste suhe				
no	size in cents	name in Estonian	parallel names in Estonian	name in English	name in German	comment	basis of formation		lugeja	nimetaja	kordaja
nr	suurus tsentide	nimetus eesti keeles	paralleelsed nimetused ee	nimetus inglise keeles	nimetus saksa keeles	kommentaar	moodustamise alus				
469	680.449	raske kvint		(grave fifth				40 / 27	40	27	1
470	683.827	95. osaheli		(Ninety-fifth harmonic				95 / 64	95	64	1
471	684.823	12167. osaheli		(12167th harmonic				12167 / 8192	12167	8192	1
472	685.714	7vjo nel astet		(4 steps in 7edo				2^{4/7} / 1	2	1	7
473	0.000	kesktoon puhta kvindi poolkomma		(Half-comma meantone perfect fifth				3/2-(81/80)^{1/2}	1.50000	1.01250	2
474	693.522	limit-7 kvint		(3 septatones or septatonic fifth				512 / 343	512	343	1
475	694.243	meeldiv kvint		(marvelous fifth				112 / 75	112	75	1
476	0.000	kesktoon puhta kvindi seitseteistkolmar		(17/3-comma meantone perfect fifth				3/2-(81/80)^{1/3}	1.50000	1.01250	3
477	0.000	kesktoon puhta kvindi kakskseitsmendik		(2/7-comma meantone perfect fifth				3/2-(81/80)^{2/7}	1.50000	1.01250	7
478	0.000	kesktoon puhta kvindi veerandkomma		(Quarter-comma meantone perfect fifth				3/2-(81/80)^{1/4}	1.50000	1.01250	4
479	0.000	kesktoon puhta kvindi üksviidikkomma		(1/5-comma meantone perfect fifth				3/2-(81/80)^{1/5}	1.50000	1.01250	5
480	0.000	kesktoon puhta kvindi ükskuuendikkom		(1/6-comma meantone perfect fifth				3/2-(81/80)^{1/6}	1.50000	1.01250	6
481	699.645	vanahiina peaaegu võrdtempereeritud		(ancient Chinese quasi-equal fifth				749 / 500	749	500	1
482	700.000	12vjo kvint		(12edo perfect fifth					2	1	12
483	700.001	limit-5 lähendus 12vjo kvindile		(fifth - schisma, 5-limit approximation to 12ed				16384 / 10935	16384	10935	1
484	701.887	53vjo kvint		(53edo perfect fifth				2^{53/53}	2	1	53
485	701.955	puhas kvint		(just perfect fifth				3 / 2	3	2	1
486	702.439	41vjo kvint		(41edo perfect fifth				2^{41/41}	2	1	41
487	703.448	29vjo kvint		(29edo perfect fifth				2^{29/29}	2	1	29
488	709.091	22vjo kvint		(22edo slightly wider pure fifth, 22edo perfec					2	1	22
489	719.354	kolm limit-5 tertooni		(3 pentatones				50 / 33	50	33	1
490	719.895	97. osaheli		(Ninety-seventh harmonic				97 / 64	97	64	1
491	720.000	5vjo kolm astet		(3 steps in 5edo				2^{3/5} / 1	2	1	5
492	721.508	kitsas vähendatud sekst		(narrow diminished sixth				1024 / 675	1024	675	1
493	723.461	terav kvint		(acute fifth				243 / 160	243	160	1
494	725.000	48vjo kakskümmend üheksa astet		(29 steps in 48edo				2^{29/48}	2	1	48
495	725.415	Pythagorase topeltsuurendatud kvart		(pythagorean double augmented fourth				1594323 / 1048576	1594323	1048576	1
496	729.219	lai kvint		(wide fifth				32 / 21	32	21	1
497	733.230	391. osaheli		(Three-hundred-ninety-first harmonic				391 / 256	391	256	1
498	733.722	limit-11 poolsuurendatud kvint		(undecimal semi-augmented fifth				55 / 36	55	36	1
499	736.931	BP kvint		(BP fifth				75 / 49	75	49	1
500	737.652	49. osaheli		(Forty-ninth harmonic				49 / 32	49	32	1
501	743.014	klassikaline vähendatud sekst		(classic diminished sixth				192 / 125	192	125	1
502	745.786	limit-13 poolsuurendatud kvint		(tridecimal semi-augmented fifth				20 / 13	20	13	1
503	750.000	24vjo viisteist astet		(15 steps in 24edo				2^{15/24}	2	1	24
504	750.182	viisteistneljandiktoon		(15/4-tone				91 / 59	91	59	1
505	750.725	limit-7 puolsuurendatud kvint		(septimal semi-augmented fifth				54 / 35	54	35	1
506	755.228	99. osaheli		(Ninety-ninth harmonic				99 / 64	99	64	1
507	763.636	22vjo väike sekst		(22edo septimal minor sixth, 22edo minor 6t					2	1	22
508	764.916	limit-7 alumine väike sekst		(septimal subminor sixth				14 / 9	14	9	1
509	768.720	Pythagorase topeltvähendatud septim		(pythagorean double diminished seventh				67108864 / 43046721	67108864	43046721	1
510	770.674	raske väike sekst		(grave minor sixth				10240 / 6561	10240	6561	1
511	772.627	puhas suurendatud kvint		(just augmented fifth				25 / 16	25	16	1
512	775.000	48vjo kolmkümmend üks astet		(31 steps in 48edo				2^{31/48}	2	1	48
513	#DIV/0!	Wallise korutus		(Wallis product (pi)				[[pi]] / 2			1
514	782.492	limit-11 suurendatud kvint		(undecimal augmented fifth				11 / 7	11	7	1
515	786.422	kitsas väike sekst		(narrow minor sixth				63 / 40	63	40	1
516	787.255	limit-13 väike sekst		(tridecimal minor sixth				52 / 33	52	33	1
517	789.854	101. osaheli		(Hundred-first harmonic				101 / 64	101	64	1
518	790.756	limit-19 kitsas väike sekst		(smaller undecimal minor sixth				30 / 19	30	19	1
519	792.180	Pythagorase väike sekst		(pythagorean minor sixth				128 / 81	128	81	1
520	794.134	lai suurendatud kvint		(wide augmented fifth				405 / 256	405	256	1
521	795.558	limit-19 väike sekst		(undecimal minor sixth				19 / 12	19	12	1
522	798.403	203. osaheli		(Two-hundred-third harmonic				203 / 128	203	128	1
523	799.892	peaaegu võrdtempereeritud väike sek		(quasi-equal minor sixth				100 / 63	100	63	1
524	800.000	12vjo väike sekst		(12edo minor sixth				2^{12/12}	2	1	12
525	800.910	limit-17 väike sekst		(septendecimal minor sixth				27 / 17	27	17	1
526	806.910	51. osaheli		(Fifty-first harmonic				51 / 32	51	32	1
527	813.686	puhas väike sekst		(just minor sixth				8 / 5	8	5	1
528	815.640	Pythagorase suurendatud kvint		(pythagorean augmented fifth				6561 / 4096	6561	4096	1
529	818.182	22vjo suurem väike sekst		(22edo minor sixth, 22edo upminor sixth					2	1	22
530	821.398	limit-7 lai väike sekst		(septimal wide minor sixth				45 / 28	45	28	1
531	823.801	103. osaheli		(Hundred-third harmonic				103 / 64	103	64	1
532	825.000	48vjo kolmkümmend kolm astet		(33 steps in 48edo, 11 steps in 16edo				2^{11/16} / 2	2	1	16
533	832.184	207. osaheli		(Two-hundred-seventh harmonic				207 / 128	207	128	1
534	#DIV/0!	kuldloige		(Golden ratio (833 cents scale)				(5^{1/2} / 2^{1/2} + 1) / 2	2	1	0
535	833.239	topeltvähendatud septim		(double diminished seventh				16384 / 10125	16384	10125	1
536	834.175	kõrgem väike sekst		(supraminor sixth				34 / 21	34	21	1
537	835.193	terav väike sekst		(acute minor sixth				81 / 50	81	50	1
538	840.528	limit-13 neutraalne sekst	13. osaheli	(tridecimal neutral sixth, 13th harmonic				13 / 8	13	8	1
539	845.453	neutraalne sekst		(neutral sixth				44 / 27	44	27	1
540	848.662	väiksem lähendus neutraalsele sekstile		(smaller approximation to neutral sixth				80 / 49	80	49	1
541	848.831	209. osaheli		(Two-hundred-ninth harmonic				209 / 128	209	128	1
542	849.383	suurem lähendus neutraalsele sekstile		(larger approximation to neutral sixth				49 / 30	49	30	1
543	850.000	12vjo neutraalne sekst		(Equal-tempered neutral sixth				2^{12/24}	2	1	24
544	850.076	seitseteistneljandiktoon		(17/4-tone				250 / 153	250	153	1
545	852.592	limit-11 neutraalne sekst		(undecimal neutral sixth				18 / 11	18	11	1
546	857.095	limit-7 neutraalne sekst		(septimal neutral sixth				105 / 64	105	64	1
547	857.143	7vjo viis astet		(5 steps in 7edo				2^{5/7} / 1	2	1	7
548	857.517	39. osaheli		(39th subharmonic				64 / 39	64	39	1
549	862.852	raske suur sekst		(grave major sixth				400 / 243	400	243	1
550	863.870	madalam suur sekst		(submajor sixth				28 / 17	28	17	1
551	864.806	topeltsuurendatud kvint		(double augmented fifth				3375 / 2048	3375	2048	1
552	872.727	22vjo väiksem suur sekst		(22edo lesser major sixth, 22edo downminor					2	1	22
553	873.505	53. osaheli		(Fifty-third harmonic				53 / 32	53	32	1
554	875.000	48vjo kolmkümmend viis astet		(35 steps in 48edo				2^{35/48}	2	1	48
555	876.647	limit-7 kitsas suur sekst		(narrow septimal major sixth				224 / 135	224	135	1
556	879.856	77. osaheli		(77th subharmonic				128 / 77	128	77	1
557	882.405	Pythagorase vähendatud septim		(pythagorean diminished seventh				32768 / 19683	32768	19683	1
558	884.359	puhas suur sekst, BP sekst		(just major sixth, BP sixth				5 / 3	5	3	1
559	889.760	107. osaheli		(Hundred-seventh harmonic				107 / 64	107	64	1
560	892.539	6859. osaheli		(6859th harmonic				6859 / 4096	6859	4096	1
561	895.078	Kimbergeri sekst		(Kimberger's sixth				270 / 161	270	161	1
562	898.153	peaaegu võrdtempereeritud suur seks		(quasi-equal major sixth				42 / 25	42	25	1
563	900.000	12vjo suur sekst		(12edo major sixth				2^{12/12}	2	1	12
564	902.487	19. osaheli		(19th subharmonic				32 / 19	32	19	1
565	903.911	kitsas vähendatud septim		(narrow diminished seventh				2048 / 1215	2048	1215	1
566	905.865	Pythagorase suur sekst		(pythagorean major sixth				27 / 16	27	16	1
567	910.790	limit-13 suur sekst		(tridecimal major sixth				22 / 13	22	13	1
568	918.642	limit-17 vähendatud septim		(septendecimal diminished seventh				17 / 19	17	19	1
569	921.821	109. osaheli		(Hundred-ninth harmonic				109 / 64	109	64	1
570	924.696	limit-7 suur sekst		(4 septatones or septatonic major sixth				4096 / 2401	4096	2401	1
571	925.000	48vjo kolmkümmend seitse astet		(37 steps in 48edo				2^{37/48}	2	1	48
572	925.418	vähendatud septim		(diminished seventh							

Eesti Arnold Schönbergi Ühing
 Nüüdismuusika oskuskomitee komisjon
INTERVALLIDE LOEND
LIST OF PITCH INTERVALS

seisuga 9/7/2023

Comments | Kommentaarid:
 tsent=1200*log(lugeja/nimetaja)/log(2)
 vj_aste=6/H**1

edo=vjgv÷vrdstelt jaotatud oktav

Kalkuli:		1,049.363							11	6	1	
no	size in cents	name in Estonian	parallel names in Estonian	name in English	name in German	comment	helisageduste suhe					
nr	suurus tsentide	nimetus eesti keeles	paralleelsed nimetused eesti keeles	nimetus inglise keeles	nimetus saksa keeles	kommentaar	basis of formation	moodustamise alus		lugeja	nimetaja	kordaja
625	1.071.702	limit-13 alumine väike septim		tridecimal superminor 7th, 16/3-tone			13 / 7		13		7	1
626	1.073.781	119. osaheli		Hundred-nineteenth harmonic			119 / 64		119		64	1
627	1.075.000	48vjõ nelikümmend kolm astet		43 steps in 48edo			2^{43/48}		2		1	48
628	1.080.557	raske suur septim		grave major seventh			28 / 15		28		15	1
629	1.086.315	Pythagorase vähendatud oktav		pythagorean diminished octave			4096 / 2187		4096		2187	1
630	1.088.269	puhas suur septim		just major seventh			15 / 8		15		8	1
631	1.090.909	22vjõ väiksem suur septim		22edo major seventh, 22edo downminor 7th			2		2		1	22
632	1.095.045	17. osaheli		17th subharmonic			32 / 17		32		17	1
633	1.099.714	Woolhouse'1 suur septim		Woolhouse major seventh			147456 / 78125		147456		78125	1
634	1.099.901	peaaegu võrdtempereeritud suur septim		quasi-equal major seventh			168 / 89		168		89	1
635	1.100.000	12vjõ suur septim		12edo major seventh			2^{11/12}		2		1	12
636	1.101.045	limit-17 suur septim		septendecimal major seventh			17 / 9		17		9	1
637	1.102.636	121. osaheli		Hundred-twenty-first harmonic			121 / 64		121		64	1
638	1.106.397	limit-19 kitsam suur septim		smaller undecimal major seventh			36 / 19		36		19	1
639	1.107.821	oktav miinus suur krooma		octave - major chroma			256 / 135		256		135	1
640	1.109.775	Pythagorase suur septim		pythagorean major seventh			243 / 128		243		128	1
641	1.111.199	limit-19 suur septim		undecimal major seventh			19 / 10		19		10	1
642	1.115.533	terav suur septim		acute major seventh			40 / 21		40		21	1
643	1.116.885	61. osaheli		Sixty-first harmonic			61 / 32		61		32	1
644	1.119.463	limit-11 suur septim		undecimal major seventh			21 / 11		21		11	1
645	1.125.000	48vjõ nelikümmend viis astet	16vjõ viisteist astet	45 steps in 48edo, 15 steps in 16edo			2^{15/16}		2		1	16
646	1.126.319	limit-23 suur septim		vicissimoterial major seventh			23 / 12		23		12	1
647	1.129.328	klassikaline vähendatud oktav		classic diminished octave			48 / 25		48		25	1
648	1.131.017	123. osaheli		Hundred-twenty-third harmonic			123 / 64		123		64	1
649	1.131.281	terav suur septim		acute major seventh			19683 / 10240		19683		10240	1
650	1.133.235	Pythagorase topeltsuurendatud sekt		pythagorean double augmented sixth			129140163 / 67108864		129140163		67108864	1
651	1.137.039	limit-7 suur septim		septimal major seventh			27 / 14		27		14	1
652	1.137.435	oktav miinus suur diesis		octave - major diesis			625 / 324		625		324	1
653	1.138.041	247. osaheli		Two-hundred-forty-seventh harmonic			247 / 128		247		128	1
654	1.145.036	31. osaheli		31st harmonic			31 / 16		31		16	1
655	1.145.455	22vjõ suur septim		22edo major seventh plus quarter tone, 22e			2		2		1	22
656	1.146.727	33. osaheli		33rd subharmonic			64 / 33		64		33	1
657	1.148.880	oktav miinus topeltsuurendatud diesis		octave - double augmentation diesis			32768 / 16875		32768		16875	1
658	1.149.816	kaksikümmendkolmeandiktioon		23/4-tone			68 / 35		68		35	1
659	1.150.000	24vjõ kaksikümmend kolm astet		23 steps in 24edo			2^{23/24}		2		1	24
660	1.150.834	oktav miinus maksimaalne diesis		octave - maximal diesis			243 / 125		243		125	1
661	1.151.230	limit-7 poolvähendatud oktav		septimal semi-diminished octave			35 / 18		35		18	1
662	1.155.870	limit-7 vähendatud oktav		5 septatones or septatonic diminished octave			32768 / 16807		32768		16807	1
663	1.158.941	klassikaline suurendatud septim		classic augmented seventh, octave - minor			125 / 64		125		64	1
664	1.165.024	BP oktav		BP eighth			49 / 25		49		25	1
665	1.170.386	oktav miinus väike diesis		octave - small diesis			6144 / 3125		6144		3125	1
666	1.172.340	oktav miinus minimaalne diesis		octave - minimal diesis			19683 / 10000		19683		10000	1
667	1.172.736	oktav miinus limit-7 komma		octave - septimal comma			63 / 32		63		32	1
668	1.175.000	48vjõ nelikümmend seitse astet		47 steps in 48edo			2^{47/48}		2		1	48
669	1.176.540	Pythagorase vähendatud noon		pythagorean diminished ninth			1048576 / 531441		1048576		531441	1
670	1.178.494	oktav miinus süntooniline komma		octave - syntonic comma			160 / 81		160		81	1
671	1.179.592	253. osaheli		Two-hundred-fifty-third harmonic			253 / 128		253		128	1
672	1.180.447	2 tritooni		2 tritones			2025 / 1024		2025		1024	1
673	1.186.422	127. osaheli		Hundred-twenty-seventh harmonic			127 / 64		127		64	1
674	1.188.555	oktav miinus Würrschmidt'i komma		octave - Würrschmidt's comma			390625 / 196608		390625		196608	1
675	1.198.046	oktav miinus skisma		octave - schisma			65536 / 32805		65536		32805	1
676	1.200.000	oktav		octave			2 / 1		2		1	1
677	1.223.460	Pythagorase suurendatud septim		pythagorean augmented seventh			531441 / 262144		531441		262144	1
678	1.270.672	klassikaline suurendatud oktav		classic augmented octave			25 / 12		25		12	1
679	1.304.955	limit-17 väike noon		septendecimal minor ninth			17 / 8		17		8	1
680	1.311.731	väike noon		minor ninth			32 / 15		32		15	1
681	1.319.443	limit-7 väike noon	BP noon	septimal minor ninth, BP ninth			15 / 7		15		7	1
682	1.337.145	Pythagorase topeltsuurendatud septim		pythagorean double augmented seventh			1162261467 / 536870912		1162261467		536870912	1
683	1.365.004	neutraalne noon		neutral ninth			11 / 5		11		5	1
684	1.382.404	väiksem noon		small ninth			20 / 9		20		9	1
685	1.403.910	suur noon		major ninth			9 / 4		9		4	1
686	1.431.174	limit-7 suur noon		septimal major ninth			16 / 7		16		7	1
687	1.466.871	minimaalne deetsim	BP deetsim	minimal tenth, BP tenth			7 / 3		7		3	1
688	1.515.641	väike deetsim		minor tenth			12 / 5		12		5	1
689	1.586.314	suur deetsim		major tenth			5 / 2		5		2	1
690	1.600.108	peaaegu võrdtempereeritud suur deetsim	BP undeetsim	quasi-equal major tenth, BP eleventh			63 / 25		63		25	1
691	1.698.045	puhas undeetsim		perfect eleventh			8 / 3		8		3	1
692	1.751.318	harmooniline undeetsim		harmonic eleventh			11 / 4		11		4	1
693	1.768.717	klassikaline suurendatud undeetsim	BP duodeetsim	classic augmented eleventh, BP twelfth			25 / 9		25		9	1
694	1.790.224	suurendatud undeetsim		augmented eleventh			45 / 16		45		16	1
695	1.901.955	tritaav	puhas duodeetsim	tritave, perfect twelfth			3 / 1		3		1	1
696	1.972.627	suurendatud duodeetsim		augmented twelfth			25 / 8		25		8	1
697	2.013.686	väike tertseetsim		minor thirteenth			16 / 5		16		5	1
698	2.040.528	harmooniline tertseetsim		harmonic thirteenth			13 / 4		13		4	1
699	2.084.359	suur tertseetsim		major thirteenth			10 / 3		10		3	1
700	2.168.826	harmooniline kvartdeetsim		harmonic fourteenth			7 / 2		7		2	1
701	2.196.090	dominant-kvartdeetsim		dominant fourteenth			32 / 9		32		9	1
702	2.217.596	toonika-kvartdeetsim		tonic fourteenth			18 / 5		18		5	1
703	2.288.269	suur kvartdeetsim		major fourteenth			15 / 4		15		4	1
704	2.400.000	topelloktav		double octave			4 / 1		4		1	1