

# Fréquence microtonale - hauteur - note Midi

## *Microtonal Frequency - Pitch - MIDI*

Conversion des fréquences en hauteurs tempérées jusqu'au 1/8e de ton. Les noms des notes sont exprimés comme A, B, ..., G, où A=La, B=Si, etc.

Colonne 1 Fréquence exprimée en hertz

Colonne 2 hauteur tempérée correspondante à la résolution du 1/8e de ton. Les degrés microtonaux suivent la convention::

**C** hauteur tempérée au 1/2 ton; C désigne la note Do.

**Ch** la note Do hausée d'un 1/8e de ton

**Cq** la note Do hausée d'un 1/4 de de ton

Colonne 3 hauteur exprimée en 1/2 tons

Colonne 4 notation MIDI

This chart gives the conversion of frequency into pitch.

Column 1 frequency in Hertz

Column 2 pitch based on a fine resolution of 1/8th of a whole tone. Microtonal pitches are expressed as follows:

**C** regular tempered pitch

**Ch** C pitch, plus 1/8th (one eighth) of a tone

**Cq** C pitch, plus 1/4th (one fourth) of a tone

Column 3 pitch expressed in tempered semitones (no microtones)

Column 4 pitch expressed as MIDI pitch

Marc Battier, 1996

16.35	<b>do-1</b>			32.70	<b>do0</b>	do0	24	65.41	<b>do1</b>	do1	36
16.59	doh-1			33.18	doh0	do0	24	66.36	doh1	do1	36
16.83	doq-1			33.66	doq0	do0	24	67.32	doq1	do1	36
17.08	doqh-1			34.15	doqh0	do#0	25	68.30	doqh1	do#1	37
17.32	do#-1			34.65	do#0	do#0	25	69.30	do#1	do#1	37
17.58	do#h-1			35.15	do#h0	do#0	25	70.30	do#h1	do#1	37
17.83	do#q-1			35.66	do#q0	do#0	25	71.33	do#q1	do#1	37
18.09	do#qh-1			36.18	do#qh0	re0	26	72.36	do#qh1	re1	38
18.35	re-1			36.71	re0	re0	26	73.42	re1	re1	38
18.62	reh-1			37.24	reh0	re0	26	74.48	reh1	re1	38
18.89	req-1			37.78	req0	re0	26	75.57	req1	re1	38
19.17	reqh-1			38.33	reqh0	re#0	27	76.67	reqh1	re#1	39
19.45	re#-1			38.89	re#0	re#0	27	77.78	re#1	re#1	39
19.73	re#h-1			39.46	re#h0	re#0	27	78.91	re#h1	re#1	39
20.02	re#q-1			40.03	re#q0	re#0	27	80.06	re#q1	re#1	39
20.31	re#qh-1			40.61	re#qh0	mi0	28	81.23	re#qh1	mi1	40
20.60	mi-1			41.20	mi0	mi0	28	82.41	mi1	mi1	40
20.90	mih-1			41.80	mih0	mi0	28	83.61	mih1	mi1	40
21.21	miq-1			42.41	miq0	mi0	28	84.82	miq1	mi1	40
21.51	miqh-1			43.03	miqh0	fa0	29	86.06	miqh1	fa1	41
21.83	fa-1			43.65	fa0	fa0	29	87.31	fa1	fa1	41
22.14	fah-1			44.29	fah0	fa0	29	88.58	fah1	fa1	41
22.47	faq-1			44.93	faq0	fa0	29	89.87	faq1	fa1	41
22.79	faqh-1			45.59	faqh0	fa#0	30	91.17	faqh1	fa#1	42
23.12	fa#-1			46.25	fa#0	fa#0	30	92.50	fa#1	fa#1	42
23.46	fa#h-1			46.92	fa#h0	fa#0	30	93.84	fa#h1	fa#1	42
23.80	fa#q-1			47.60	fa#q0	fa#0	30	95.21	fa#q1	fa#1	42
24.15	fa#qh-1			48.30	fa#qh0	sol0	31	96.59	fa#qh1	sol1	43
24.50	sol-1			49.00	sol0	sol0	31	98.00	sol1	sol1	43
24.86	solh-1			49.71	solh0	sol0	31	99.42	solh1	sol1	43
25.22	solq-1			50.44	solq0	sol0	31	100.87	solq1	sol1	43
25.58	solqh-1			51.17	solqh0	sol#0	32	102.34	solqh1	sol#1	44
25.96	sol#-1			51.91	sol#0	sol#0	32	103.83	sol#1	sol#1	44
26.33	sol#h-1			52.67	sol#h0	sol#0	32	105.34	sol#h1	sol#1	44
26.72	sol#q-1			53.43	sol#q0	sol#0	32	106.87	sol#q1	sol#1	44
27.11	sol#qh-1	la-1	21	54.21	sol#qh0	la0	33	108.42	sol#qh1	la1	45
27.50	la-1	la-1	21	55.00	la0	la0	33	110.00	la1	la1	45
27.90	lah-1	la-1	21	55.80	lah0	la0	33	111.60	lah1	la1	45
28.31	laq-1	la-1	21	56.61	laq0	la0	33	113.22	laq1	la1	45
28.72	laqh-1	la#-1	22	57.44	laqh0	la#0	34	114.87	laqh1	la#1	46
29.14	la#-1	la#-1	22	58.27	la#0	la#0	34	116.54	la#1	la#1	46
29.56	la#h-1	la#-1	22	59.12	la#h0	la#0	34	118.24	la#h1	la#1	46
29.99	la#q-1	la#-1	22	59.98	la#q0	la#0	34	119.96	la#q1	la#1	46
30.43	la#qh-1	si-1	23	60.85	la#qh0	si0	35	121.70	la#qh1	si1	47
30.87	si-1	si-1	23	61.74	si0	si0	35	123.47	si1	si1	47
31.32	sih-1	si-1	23	62.63	sih0	si0	35	125.27	sih1	si1	47
31.77	siq0	si-1	23	63.54	siq1	si0	35	127.09	siq2	si1	47
32.23	siqh-1	do0	24	64.47	siqh0	do1	36	128.94	siqh1	do2	48

130.81	<b>do2</b>	do2	48	261.63	<b>do3</b>	do3	60	523.25	<b>do4</b>	do4	72
132.72	doh2	do2	48	265.43	doh3	do3	60	530.86	doh4	do4	72
134.65	doq2	do2	48	269.29	doq3	do3	60	538.58	doq4	do4	72
136.60	doqh2	do#2	49	273.21	doqh3	do#3	61	546.42	doqh4	do#4	73
138.59	do#2	do#2	49	277.18	do#3	do#3	61	554.37	do#4	do#4	73
140.61	do#h2	do#2	49	281.21	do#h3	do#3	61	562.43	do#h4	do#4	73
142.65	do#q2	do#2	49	285.30	do#q3	do#3	61	570.61	do#q4	do#4	73
144.73	do#qh2	re2	50	289.45	do#qh3	re3	62	578.91	do#qh4	re4	74
146.83	re2	re2	50	293.66	re3	re3	62	587.33	re4	re4	74
148.97	reh2	re2	50	297.94	reh3	re3	62	595.87	reh4	re4	74
151.13	req2	re2	50	302.27	req3	re3	62	604.54	req4	re4	74
153.33	reqh2	re#2	51	306.67	reqh3	re#3	63	613.33	reqh4	re#4	75
155.56	re#2	re#2	51	311.13	re#3	re#3	63	622.25	re#4	re#4	75
157.83	re#h2	re#2	51	315.65	re#h3	re#3	63	631.30	re#h4	re#4	75
160.12	re#q2	re#2	51	320.24	re#q3	re#3	63	640.49	re#q4	re#4	75
162.45	re#qh2	mi2	52	324.90	re#qh3	mi3	64	649.80	re#qh4	mi4	76
164.81	mi2	mi2	52	329.63	mi3	mi3	64	659.26	mi4	mi4	76
167.21	mih2	mi2	52	334.42	mih3	mi3	64	668.84	mih4	mi4	76
169.64	miq2	mi2	52	339.29	miq3	mi3	64	678.57	miq4	mi4	76
172.11	miqh2	fa2	53	344.22	miqh3	fa3	65	688.44	miqh4	fa4	77
174.61	fa2	fa2	53	349.23	fa3	fa3	65	698.46	fa4	fa4	77
177.15	fah2	fa2	53	354.31	fah3	fa3	65	708.62	fah4	fa4	77
179.73	faq2	fa2	53	359.46	faq3	fa3	65	718.92	faq4	fa4	77
182.34	faqh2	fa#2	54	364.69	faqh3	fa#3	66	729.38	faqh4	fa#4	78
185.00	fa#2	fa#2	54	369.99	fa#3	fa#3	66	739.99	fa#4	fa#4	78
187.69	fa#h2	fa#2	54	375.38	fa#h3	fa#3	66	750.75	fa#h4	fa#4	78
190.42	fa#q2	fa#2	54	380.84	fa#q3	fa#3	66	761.67	fa#q4	fa#4	78
193.19	fa#qh2	sol2	55	386.38	fa#qh3	sol3	67	772.75	fa#qh4	sol4	79
196.00	sol2	sol2	55	392.00	sol3	sol3	67	783.99	sol4	sol4	79
198.85	solh2	sol2	55	397.70	solh3	sol3	67	795.39	solh4	sol4	79
201.74	solq2	sol2	55	403.48	solq3	sol3	67	806.96	solq4	sol4	79
204.68	solqh2	sol#2	56	409.35	solqh3	sol#3	68	818.70	solqh4	sol#4	80
207.65	sol#2	sol#2	56	415.30	sol#3	sol#3	68	830.61	sol#4	sol#4	80
210.67	sol#h2	sol#2	56	421.35	sol#h3	sol#3	68	842.69	sol#h4	sol#4	80
213.74	sol#q2	sol#2	56	427.47	sol#q3	sol#3	68	854.95	sol#q4	sol#4	80
216.85	sol#qh2	la2	57	433.69	sol#qh3	la3	69	867.38	sol#qh4	la4	81
220.00	la2	la2	57	440.00	la3	la3	69	880.00	la4	la4	81
223.20	lah2	la2	57	446.40	lah3	la3	69	892.80	lah4	la4	81
226.45	laq2	la2	57	452.89	laq3	la3	69	905.79	laq4	la4	81
229.74	laqh2	la#2	58	459.48	laqh3	la#3	70	918.96	laqh4	la#4	82
233.08	la#2	la#2	58	466.16	la#3	la#3	70	932.33	la#4	la#4	82
236.47	la#h2	la#2	58	472.94	la#h3	la#3	70	945.89	la#h4	la#4	82
239.91	la#q2	la#2	58	479.82	la#q3	la#3	70	959.65	la#q4	la#4	82
243.40	la#qh2	si2	59	486.80	la#qh3	si3	71	973.61	la#qh4	si4	83
246.94	si2	si2	59	493.88	si3	si3	71	987.77	si4	si4	83
250.53	sih2	si2	59	501.07	sih3	si3	71	1002.13	sih4	si4	83
254.18	siq3	si2	59	508.36	siq4	si3	71	1016.71	siq5	si4	83
257.87	siqh2	do3	60	515.75	siqh3	do4	72	1031.50	siqh4	do5	84

1046.50	do5	do5	84	2093.00	do6	do6	96	4186.01	do7	do7	108
1061.72	doh5	do5	84	2123.45	doh6	do6	96	4246.90	doh7	do7	108
1077.17	doq5	do5	84	2154.33	doq6	do6	96	4308.67	doq7	do7	108
1092.83	doqh5	do#5	85	2185.67	doqh6	do#6	97	4371.34	doqh7	do#7	109
1108.73	do#5	do#5	85	2217.46	do#6	do#6	97	4434.92	do#7	do#7	109
1124.86	do#h5	do#5	85	2249.71	do#h6	do#6	97	4499.43	do#h7	do#7	109
1141.22	do#q5	do#5	85	2282.44	do#q6	do#6	97	4564.87	do#q7	do#7	109
1157.82	do#qh5	re5	86	2315.64	do#qh6	re6	98	4631.27	do#qh7	re7	110
1174.66	re5	re5	86	2349.32	re6	re6	98	4698.64	re7	re7	110
1191.74	reh5	re5	86	2383.49	reh6	re6	98	4766.98	reh7	re7	110
1209.08	req5	re5	86	2418.16	req6	re6	98	4836.32	req7	re7	110
1226.67	reqh5	re#5	87	2453.33	reqh6	re#6	99	4906.66	reqh7	re#7	111
1244.51	re#5	re#5	87	2489.02	re#6	re#6	99	4978.03	re#7	re#7	111
1262.61	re#h5	re#5	87	2525.22	re#h6	re#6	99	5050.44	re#h7	re#7	111
1280.97	re#q5	re#5	87	2561.95	re#q6	re#6	99	5123.90	re#q7	re#7	111
1299.61	re#qh5	mi5	88	2599.21	re#qh6	mi6	100	5198.43	re#qh7	mi7	112
1318.51	mi5	mi5	88	2637.02	mi6	mi6	100	5274.04	mi7	mi7	112
1337.69	mih5	mi5	88	2675.38	mih6	mi6	100	5350.75	mih7	mi7	112
1357.15	miq5	mi5	88	2714.29	miq6	mi6	100	5428.58	miq7	mi7	112
1376.89	miqh5	fa5	89	2753.77	miqh6	fa6	101	5507.54	miqh7	fa7	113
1396.91	fa5	fa5	89	2793.83	fa6	fa6	101	5587.65	fa7	fa7	113
1417.23	fah5	fa5	89	2834.46	fah6	fa6	101	5668.93	fah7	fa7	113
1437.85	faq5	fa5	89	2875.69	faq6	fa6	101	5751.38	faq7	fa7	113
1458.76	faqh5	fa#5	90	2917.52	faqh6	fa#6	102	5835.04	faqh7	fa#7	114
1479.98	fa#5	fa#5	90	2959.96	fa#6	fa#6	102	5919.91	fa#7	fa#7	114
1501.50	fa#h5	fa#5	90	3003.01	fa#h6	fa#6	102	6006.02	fa#h7	fa#7	114
1523.34	fa#q5	fa#5	90	3046.69	fa#q6	fa#6	102	6093.38	fa#q7	fa#7	114
1545.50	fa#qh5	sol5	91	3091.00	fa#qh6	sol6	103	6182.01	fa#qh7	sol7	115
1567.98	sol5	sol5	91	3135.96	sol6	sol6	103	6271.93	sol7	sol7	115
1590.79	solh5	sol5	91	3181.58	solh6	sol6	103	6363.15	solh7	sol7	115
1613.93	solq5	sol5	91	3227.85	solq6	sol6	103	6455.71	solq7	sol7	115
1637.40	solqh5	sol#5	92	3274.80	solqh6	sol#6	104	6549.61	solqh7	sol#7	116
1661.22	sol#5	sol#5	92	3322.44	sol#6	sol#6	104	6644.87	sol#7	sol#7	116
1685.38	sol#h5	sol#5	92	3370.76	sol#h6	sol#6	104	6741.53	sol#h7	sol#7	116
1709.90	sol#q5	sol#5	92	3419.79	sol#q6	sol#6	104	6839.58	sol#q7	sol#7	116
1734.77	sol#qh5	la5	93	3469.53	sol#qh6	la6	105	6939.07	sol#qh7	la7	117
1760.00	la5	la5	93	3520.00	la6	la6	105	7040.00	la7	la7	117
1785.60	lah5	la5	93	3571.20	lah6	la6	105	7142.40	lah7	la7	117
1811.57	laq5	la5	93	3623.14	laq6	la6	105	7246.29	laq7	la7	117
1837.92	laqh5	la#5	94	3675.84	laqh6	la#6	106	7351.69	laqh7	la#7	118
1864.66	la#5	la#5	94	3729.31	la#6	la#6	106	7458.62	la#7	la#7	118
1891.78	la#h5	la#5	94	3783.55	la#h6	la#6	106	7567.11	la#h7	la#7	118
1919.29	la#q5	la#5	94	3838.59	la#q6	la#6	106	7677.17	la#q7	la#7	118
1947.21	la#qh5	si5	95	3894.42	la#qh6	si6	107	7788.84	la#qh7	si7	119
1975.53	si5	si5	95	3951.07	si6	si6	107	7902.13	si7	si7	119
2004.27	sih5	si5	95	4008.54	sih6	si6	107	8017.07	sih7	si7	119
2033.42	siq6	si5	95	4066.84	siq7	si6	107	8133.68	siq8	si7	119
2063.00	siqh5	do6	96	4126.00	siqh6	do7	108	8251.99	siqh7	do8	120

8372.02	<b>do8</b>	do8	120
8493.79	doh8	do8	120
8617.34	doq8	do8	120
8742.68	doqh8	do#8	121
8869.84	do#8	do#8	121
8998.86	do#h8	do#8	121
9129.75	do#q8	do#8	121
9262.55	do#qh8	re8	122
9397.27	re8	re8	122
9533.96	reh8	re8	122
9672.63	req8	re8	122
9813.33	reqh8	re#8	123
9956.06	re#8	re#8	123
10100.88	re#h8	re#8	123
10247.80	re#q8	re#8	123
10396.86	re#qh8	mi8	124
10548.08	mi8	mi8	124
10701.51	mih8	mi8	124
10857.16	miq8	mi8	124
11015.08	miqh8	fa8	125
11175.30	fa8	fa8	125
11337.85	fah8	fa8	125
11502.76	faq8	fa8	125
11670.08	faqh8	fa#8	126
11839.82	fa#8	fa#8	126
12012.04	fa#h8	fa#8	126
12186.75	fa#q8	fa#8	126
12364.01	fa#qh8	sol8	127
12543.85	sol8	sol8	127
12726.31	solh8	sol8	127
12911.42	solq8	sol8	127
13099.22	solqh8	sol#8	128
13289.75	sol#8	sol#8	128
13483.05	sol#h8	sol#8	128
13679.17	sol#q8	sol#8	128
13878.14	sol#qh8	la8	
14080.00	la8	la8	
14284.80	lah8	la8	
14492.58	laq8	la8	
14703.38	laqh8	la#8	
14917.24	la#8	la#8	
15134.22	la#h8	la#8	
15354.35	la#q8	la#8	
15577.68	la#qh8	si8	
15804.27	si8	si8	
16034.14	sih8	si8	
16267.37	siq8	si8	
16503.98	siqh8	do9	