

Catalog of 7 note diatonic scales of 5L + 2s or 2L + 5s structure found between 21 and 31 note equal temperament and used in *Someone Moved in a Room* – Warren Burt 2005

Scale summary comes first, then listing of scales in scale degree and cents follows.

18 Diatonic-type 7 note MOS scales found between 21 and 31 tone ET.

Number	Scale Data
1	21 tone equal temperament Generator - 10 steps: 571.429c Pitch levels: 0 8 9 10 18 19 20 21 = 2L+5S intervals Interval structure in scale steps: 8 1 1 8 1 1 1 - Enharmonic quality.
2	22 tone equal temperament Generator - 9 steps: 490.909c Pitch levels: 0 1 5 9 10 14 18 22 = 5L+2S intervals Interval structure in scale steps: 1 4 4 1 4 4 4 - Major Diatonic quality
3	23 tone equal temperament A Generator - 10 steps: 521.739c Pitch levels: 0 4 7 10 14 17 20 23 = 2L+5S intervals Interval structure in scale steps: 4 3 3 4 3 3 3 - Enharmonic quality
4	23 tone equal temperament B Generator - 11 steps: 573.913c Pitch levels: 0 9 10 11 20 21 22 23 = 2L+5S intervals Interval structure in scale steps: 9 1 1 9 1 1 1 - Minor Diatonic quality
5	24 tone equal temperament Generator - 11 steps: 550c Pitch levels: 0 7 9 11 18 20 22 24 = 2L+5S intervals Interval structure in scale steps: 7 2 2 7 2 2 2 - Chromatic quality
6	25 tone equal temperament A Generator - 11steps: 528.000c Pitch levels: 0 5 8 11 16 19 22 25 = 2L+5S intervals Interval structure in scale steps: 5 3 3 5 3 3 3 - Minor Diatonic quality
7	25 tone equal temperament B Generator - 12 steps: 576.000c Pitch levels: 0 10 11 12 22 23 24 25 = 2L+5S intervals Interval structure in scale steps: 10 1 1 10 1 1 1 - Enharmonic quality
8	26 tone equal temperament Generator - 11 steps: 507.692c Pitch levels: 0 3 7 11 14 18 22 26 = 5L+2S intervals Interval structure in scale steps: 3 4 4 3 4 4 4 - Major Diatonic quality
9	27 tone equal temperament A Generator 11 steps: 488.889c Pitch levels: 0 1 6 11 12 17 22 27 = 5L+2S intervals Interval structure in scale steps: 1 5 5 1 5 5 5 - Major Diatonic quality

10	<p>27 tone equal temperament B Generator - 13 steps: 577.778c Pitch levels: 0 11 12 13 24 25 26 27 = 2L+5S intervals Interval structure in scale steps: 11 1 1 11 1 1 1 - Enharmonic quality</p>
11	<p>28 tone equal temperament Generator - 13 steps: 557.143c Pitch levels: 0 9 11 13 22 24 26 28 = 2L+5S intervals Interval structure in scale steps: 9 2 2 9 2 2 2 - Chromatic quality</p>
12	<p>29 tone equal temperament A Generator - 12 steps: 496.552c Pitch levels: 0 2 7 12 14 19 24 29 = 5L+2S intervals Interval structure in scale steps: 2 5 5 2 5 5 5 - Major Diatonic quality</p>
13	<p>29 tone equal temperament B Generator - 13 steps: 537.931c Pitch levels: 0 7 10 13 20 23 26 29 = 2L+5S intervals Interval structure in scale steps: 7 3 3 7 3 3 3 - Chromatic quality</p>
14	<p>29 tone equal temperament C Generator - 14 steps: 579.310c Pitch levels: 0 12 13 14 26 27 28 29 = 2L+5S intervals Interval structure in scale steps: 12 1 1 12 1 1 1 - Enharmonic quality</p>
15	<p>30 tone equal temperament Generator - 13 steps: 520.000c Pitch levels: 0 5 9 13 18 22 26 30 = 2L+5S intervals Interval structure in scale steps: 5 4 4 5 4 4 4 - Minor Diatonic quality</p>
16	<p>31 tone equal temperament A Generator - 13 steps: 503.226c Pitch levels: 0 3 8 13 16 21 26 31 = 5L+2S intervals Interval structure in scale steps: 3 5 5 3 5 5 5 - Major Diatonic quality</p>
17	<p>31 tone equal temperament B Generator - 14 steps: 541.935c Pitch levels: 0 8 11 14 22 25 28 31 = 2L+5S intervals Interval structure in scale steps: 8 3 3 8 3 3 3 - Chromatic quality</p>
18	<p>31 tone equal temperament C Generator - 15 steps: 580.645c Pitch levels: 0 13 14 15 28 29 30 31 = 2L+5S intervals Interval structure in scale steps: 13 1 1 13 1 1 1 - Enharmonic quality</p>

Scale 01: 21ET Enharmonic

21 tone et - generator 10 steps 571.429c
Scale structure in steps 8 1 1 8 1 1 1

0:	1/1	0.000
1:	457.145 cents	457.145
2:	514.287 cents	514.287
3:	571.429 cents	571.429
4:	1028.574 cents	1028.574
5:	1085.716 cents	1085.716
6:	1142.858 cents	1142.858
7:	2/1	1200.000

Scale 02: 22 ET Major Diatonic

22 tone et - generator 9 steps 490.909c
Scale structure in steps 1 4 4 1 4 4 4

0:	1/1	0.000
1:	54.545 cents	54.545
2:	272.727 cents	272.727
3:	490.909 cents	490.909
4:	545.454 cents	545.454
5:	763.636 cents	763.636
6:	981.818 cents	981.818
7:	2/1	1200.000

Scale 03: 23 ET Enharmonic

23 tone et - generator 10 steps 521.379c
Scale structure in steps 4 3 3 4 3 3 3

0:	1/1	0.000
1:	208.695 cents	208.695
2:	365.217 cents	365.217
3:	521.739 cents	521.739
4:	730.434 cents	730.434
5:	886.956 cents	886.956
6:	1043.478 cents	1043.478
7:	2/1	1200.000

Scale 04: 23 ET Minor Diatonic

23 tone ET - generator 11 steps 573.913c
Scale structure in steps 9 1 1 9 1 1 1

0:	1/1	0.000
1:	469.565 cents	469.565
2:	521.739 cents	521.739
3:	573.913 cents	573.913
4:	1043.478 cents	1043.478
5:	1095.652 cents	1095.652
6:	1147.826 cents	1147.826
7:	2/1	1200.000

Scale 05: 24 ET Chromatic

24 tone et - generator 11 steps 550.0c
Scale structure in steps 7 2 2 7 2 2 2

0:	1/1	0.000
1:	350.000 cents	350.000
2:	450.000 cents	450.000
3:	550.000 cents	550.000
4:	900.000 cents	900.000
5:	1000.000 cents	1000.000
6:	1100.000 cents	1100.000
7:	2/1	1200.000

Scale 06: 25 ET Minor Diatonic

25 tone et - generator 11 steps 528.0c
Scale structure in steps 5 3 3 5 3 3 3

0:	1/1	0.000
1:	240.000 cents	240.000
2:	384.000 cents	384.000
3:	528.000 cents	528.000
4:	768.000 cents	768.000
5:	912.000 cents	912.000
6:	1056.000 cents	1056.000
7:	2/1	1200.000

Scale 07: 25 ET Enharmonic

25 tone et - generator 12 steps 576.0c
Scale structure in steps 10 1 1 10 1 1 1

0:	1/1	0.000
1:	480.000 cents	480.000
2:	528.000 cents	528.000
3:	576.000 cents	576.000
4:	1056.000 cents	1056.000
5:	1104.000 cents	1104.000
6:	1152.000 cents	1152.000
7:	2/1	1200.000

Scale 08: 26 ET Major Diatonic

26 tone et - generator 11 steps 507.692c
Scale structure in steps 3 4 4 3 4 4 4

0:	1/1	0.000
1:	138.460 cents	138.460
2:	323.076 cents	323.076
3:	507.692 cents	507.692
4:	646.152 cents	646.152
5:	830.768 cents	830.768
6:	1015.384 cents	1015.384
7:	2/1	1200.000

Scale 09: 27 ET Major Diatonic

27 tone et - generator 11 steps 488.889c
Scale structure in steps 1 5 5 1 5 5 5

0:	1/1	0.000
1:	44.445 cents	44.445
2:	266.667 cents	266.667
3:	488.889 cents	488.889
4:	533.334 cents	533.334
5:	755.556 cents	755.556
6:	977.778 cents	977.778
7:	2/1	1200.000

Scale 10: 27ET Enharmonic

27 tone et - generator 13 steps 577.778c
Scale structure in steps 11 1 1 11 1 1 1

0:	1/1	0.000
1:	488.890 cents	488.890
2:	533.334 cents	533.334
3:	577.778 cents	577.778
4:	1066.668 cents	1066.668
5:	1111.112 cents	1111.112
6:	1155.556 cents	1155.556
7:	2/1	1200.000

Scale 11: 28 ET Chromatic

28 tone et - generator 13 steps 557.143c
Scale structure in steps 9 2 2 9 2 2 2

0:	1/1	0.000
1:	385.715 cents	385.715
2:	471.429 cents	471.429
3:	557.143 cents	557.143
4:	942.858 cents	942.858
5:	1028.572 cents	1028.572
6:	1114.286 cents	1114.286
7:	2/1	1200.000

Scale 12: 29 ET Major Diatonic

29 tone et - generator 12 steps 496.552c
Scale structure in steps 2 5 5 2 5 5 5

0:	1/1	0.000
1:	82.760 cents	82.760
2:	289.656 cents	289.656
3:	496.552 cents	496.552
4:	579.312 cents	579.312
5:	786.208 cents	786.208
6:	993.104 cents	993.104
7:	2/1	1200.000

Scale 13: 29 ET Chromatic

29 tone et - generator 13 steps 537.931c
Scale structure in steps 7 3 3 7 3 3 3

0:	1/1	0.000
1:	289.655 cents	289.655
2:	413.793 cents	413.793
3:	537.931 cents	537.931
4:	827.586 cents	827.586
5:	951.724 cents	951.724
6:	1075.862 cents	1075.862
7:	2/1	1200.000

Scale 14: 29 ET Enharmonic

29 tone et - generator 14 steps 579.31c
Scale structure in steps 12 1 1 12 1 1 1

0:	1/1	0.000
1:	496.550 cents	496.550
2:	537.930 cents	537.930
3:	579.310 cents	579.310
4:	1075.860 cents	1075.860
5:	1117.240 cents	1117.240
6:	1158.620 cents	1158.620
7:	2/1	1200.000

Scale 15: 30 ET Minor Diatonic

30 tone et - generator 13 steps 520.0c
Scale structure in steps 5 4 4 5 4 4 4

0:	1/1	0.000
1:	200.000 cents	200.000
2:	360.000 cents	360.000
3:	520.000 cents	520.000
4:	720.000 cents	720.000
5:	880.000 cents	880.000
6:	1040.000 cents	1040.000
7:	2/1	1200.000

Scale 16: 31 ET Major Diatonic

31 tone et - generator 13 steps 503.226c
Scale structure in steps 3 5 5 3 5 5 5

0:	1/1	0.000
1:	116.130 cents	116.130
2:	309.678 cents	309.678
3:	503.226 cents	503.226
4:	619.356 cents	619.356
5:	812.904 cents	812.904
6:	1006.452 cents	1006.452
7:	2/1	1200.000

Scale 17: 31 ET Chromatic

31 tone et - generator 14 steps 541.935c
Scale structure in steps 8 3 3 8 3 3 3

0:	1/1	0.000
1:	309.675 cents	309.675
2:	425.805 cents	425.805
3:	541.935 cents	541.935
4:	851.610 cents	851.610
5:	967.740 cents	967.740
6:	1083.870 cents	1083.870
7:	2/1	1200.000

Scale 18: 31 ET Enharmonic

31 tone et - generator 15 steps 580.645c
Scale structure in steps 13 1 1 13 1 1 1

0:	1/1	0.000
1:	503.225 cents	503.225
2:	541.935 cents	541.935
3:	580.645 cents	580.645
4:	1083.870 cents	1083.870
5:	1122.580 cents	1122.580
6:	1161.290 cents	1161.290
7:	2/1	1200.000