

CONSTANT STRUCTURES WITH THE CENTAUR SCALE (WORK IN PROGRESS)

(SETS 10, 9, 8 OUT OF 10, 7 OUT OF 9, AND 6 OUT OF 8)
19-5-16

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C

21/20	15/14	28/27	8/7	21/20	15/14	28/27	15/14	21/20	8/7	10a
-------	-------	-------	-----	-------	-------	-------	-------	-------	-----	-----

	15/14	28/27	15/14	28/25	15/14	28/27	15/14	21/20	15/14	28/25	10b
--	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-----

21/20	15/14	10/9	16/15	21/20	10/9	15/14	21/20	15/14	16/15	10c
-------	-------	------	-------	-------	------	-------	-------	-------	-------	-----

21/20	10/9	15/14	16/15	21/20	10/9	15/14	21/20	15/14	16/15	10d
-------	------	-------	-------	-------	------	-------	-------	-------	-------	-----

21/20	15/14	10/9	16/15	21/20	15/14	10/9	21/20	15/14	16/15	10e
-------	-------	------	-------	-------	-------	------	-------	-------	-------	-----

21/20	10/9	15/14	16/15	21/20	15/14	10/9	21/20	15/14	16/15	10f
-------	------	-------	-------	-------	-------	------	-------	-------	-------	-----

9/8	28/27	15/14	16/15	9/8	28/27	15/14	9/8	16/15	9a
-----	-------	-------	-------	-----	-------	-------	-----	-------	----

9/8	28/27	15/14	16/15	9/8	28/27	9/8	15/14	16/15	9b
-----	-------	-------	-------	-----	-------	-----	-------	-------	----

7 TONE C.S. SCALES FOUND IN THE 9 TONE C.S. SCALES

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C

9a	9/8	28/27	15/14	16/15	9/8	28/27	9/8	15/14	16/15	
	7/6	15/14	16/15	9/8	7/6	15/14	16/15			7c
	7/6	15/14	16/15	7/6	9/8	15/14	16/15			7d
	6/5	28/27	15/14	6/5	28/27	9/8	15/14			7a
	9/8	28/27	8/7	9/8	28/27	9/8	8/7			7f

9b	9/8	28/27	15/14	16/15	9/8	28/27	15/14	9/8	16/15	
	9/8	28/27	15/14	6/5	28/27	15/14	6/5			7b
	7/6	15/14	16/15	7/6	15/14	9/8	16/15			7e
	9/8	10/9	16/15	9/8	10/9	9/8	16/15			7g

8 TONES SCALES ARRANGED TO SIZE OR LARGEST

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C

	28/27	6/5	15/14	28/27	15/14	21/20	15/14	6/5	8a
--	-------	-----	-------	-------	-------	-------	-------	-----	----

	15/14	28/27	6/5	15/14	28/27	15/14	21/20	6/5	8b
--	-------	-------	-----	-------	-------	-------	-------	-----	----

	28/27	15/14	6/5	28/27	15/14	21/20	15/14	6/5	8c
--	-------	-------	-----	-------	-------	-------	-------	-----	----

21/20	15/14	28/27	6/5	15/14	28/27	15/14	6/5	8d
-------	-------	-------	-----	-------	-------	-------	-----	----

	15/14	28/27	15/14	6/5	28/27	15/14	21/20	6/5	8e
--	-------	-------	-------	-----	-------	-------	-------	-----	----

21/20	25/21	16/15	21/20	25/21	21/20	15/14	16/15	8f
-------	-------	-------	-------	-------	-------	-------	-------	----

7/6	15/14	16/15	7/6	15/14	21/20	15/14	16/15	8g
-----	-------	-------	-----	-------	-------	-------	-------	----

7/6	15/14	16/15	21/20	15/14	7/6	15/14	16/15	8h
-----	-------	-------	-------	-------	-----	-------	-------	----

21/20	10/9	8/7	21/20	10/9	15/14	21/20	8/7	8i
-------	------	-----	-------	------	-------	-------	-----	----

21/20	10/9	8/7	21/20	15/14	10/9	21/20	8/7	8j
-------	------	-----	-------	-------	------	-------	-----	----

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C

21/20	10/9	15/14	16/15	9/8	10/9	9/8	16/15	8k
-------	------	-------	-------	-----	------	-----	-------	----

9/8	10/9	16/15	21/20	10/9	9/8	15/14	16/15	8l
-----	------	-------	-------	------	-----	-------	-------	----

9/8	10/9	16/15	21/20	10/9	15/14	9/8	16/15	8m
-----	------	-------	-------	------	-------	-----	-------	----

	10/9	15/14	28/25	10/9	15/14	21/20	15/14	28/25	8n
--	------	-------	-------	------	-------	-------	-------	-------	----

	10/9	15/14	28/25	15/14	10/9	21/20	15/14	28/25	8o
--	------	-------	-------	-------	------	-------	-------	-------	----

	15/14	10/9	28/25	15/14	10/9	21/20	15/14	28/25	8p
--	-------	------	-------	-------	------	-------	-------	-------	----

	15/14	10/9	28/25	10/9	15/14	21/20	15/14	28/25	8q
--	-------	------	-------	------	-------	-------	-------	-------	----

6 TONE C.S. SCALES LISTED IN TERMS OF SIZE

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	

21/20	15/14	28/27	9/7				28/27	9/7				6a
-------	-------	-------	-----	--	--	--	-------	-----	--	--	--	----

		28/27	9/7				28/27	15/14	21/20	9/7		6b
--	--	-------	-----	--	--	--	-------	-------	-------	-----	--	----

5/4			16/15	5/4			21/20	15/14	16/15	6c	
-----	--	--	-------	-----	--	--	-------	-------	-------	----	--

5/4			16/15	21/20	15/14	5/4			16/15	6d	
-----	--	--	-------	-------	-------	-----	--	--	-------	----	--

5/4			16/15	21/20	5/4			15/14	16/15	6e	
-----	--	--	-------	-------	-----	--	--	-------	-------	----	--

56/45		15/14	56/45				15/14	21/20	15/14	6f	
-------	--	-------	-------	--	--	--	-------	-------	-------	----	--

1/1 21/20 9/8 7/6 5/4 4/3 7/5 3/2 14/9 5/3 7/4 15/8 2/1

21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

	10/9	6/5	10/9	15/14	21/20	6/5	6g
--	------	-----	------	-------	-------	-----	----

	10/9	6/5	10/9	21/20	15/14	6/5	6h
--	------	-----	------	-------	-------	-----	----

21/20	10/9	6/5	10/9	15/14	6/5	6i
-------	------	-----	------	-------	-----	----

	10/9	6/5	15/14	10/9	21/20	6/5	6j
--	------	-----	-------	------	-------	-----	----

	15/14	10/9	6/5	10/9	21/20	6/5	6k
--	-------	------	-----	------	-------	-----	----

21/20	10/9	15/14	6/5	10/9	6/5	6l
-------	------	-------	-----	------	-----	----

21/20	10/9	6/5	15/14	10/9	6/5	6m
-------	------	-----	-------	------	-----	----

	10/9	15/14	6/5	10/9	21/20	6/5	6n
--	------	-------	-----	------	-------	-----	----

	25/21	28/25	25/21	21/20	15/14	28/25	6o
--	-------	-------	-------	-------	-------	-------	----

	25/21	28/25	15/14	25/21	15/14	28/25	6p
--	-------	-------	-------	-------	-------	-------	----

	7/6	8/7	21/20	15/14	7/6	8/7	6q
--	-----	-----	-------	-------	-----	-----	----

	7/6	8/7	7/6	15/14	21/20	8/7	6r
--	-----	-----	-----	-------	-------	-----	----

8 TONE C.S. SCALES FOUND IN 10 TONE C.S. SCALES

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C

21/20	15/14	28/27	8/7	21/20	15/14	28/27	15/14	21/20	8/7	10a
-------	-------	-------	-----	-------	-------	-------	-------	-------	-----	-----

8b		15/14	28/27	6/5	15/14	28/27	15/14	21/20	6/5
----	--	-------	-------	-----	-------	-------	-------	-------	-----

8d	21/20	15/14	28/27	6/5	15/14	28/27	15/14	6/5
----	-------	-------	-------	-----	-------	-------	-------	-----

8i	21/20	10/9	8/7	21/20	10/9	15/14	21/20	8/7
----	-------	------	-----	-------	------	-------	-------	-----

8j	21/20	10/9	8/7	21/20	15/14	10/9	21/20	8/7
----	-------	------	-----	-------	-------	------	-------	-----

7d	9/8	28/27	8/7	9/8	28/27	9/8	8/7
----	-----	-------	-----	-----	-------	-----	-----

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C

	15/14	28/27	15/14	28/25	15/14	28/27	15/14	21/20	15/14	28/25	10b
8a		28/27		6/5	15/14	28/27	15/14	21/20	15/14	6/5	
8b	15/14	28/27		6/5	15/14	28/27	15/14	21/20		6/5	
8c		28/27	15/14		6/5	28/27	15/14	21/20	15/14	6/5	
8e	15/14	28/27	15/14		6/5	28/27	15/14	21/20		6/5	
8n	10/9	15/14	28/25	10/9	15/14	21/20	15/14	28/25			
8o	10/9	15/14	28/25	15/14	10/9	21/20	15/14	28/25			
8q	15/14	10/9	28/25	10/9	15/14	21/20	15/14	28/25			
8p	15/14	10/9	28/25	15/14	10/9	21/20	15/14	28/25			

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C

21/20	15/14	10/9	16/15	21/20	10/9	15/14	21/20	15/14	16/15	10c
-------	-------	------	-------	-------	------	-------	-------	-------	-------	-----

8f	21/20	25/21	16/15	21/20	25/21	21/20	15/14	16/15
----	-------	-------	-------	-------	-------	-------	-------	-------

8l	9/8	10/9	16/15	21/20	10/9	9/8	15/14	16/15
----	-----	------	-------	-------	------	-----	-------	-------

8m	9/8	10/9	16/15	21/20	10/9	15/14	9/8	16/15
----	-----	------	-------	-------	------	-------	-----	-------

8q	15/14	10/9	28/25	10/9	15/14	21/20	15/14	28/25
----	-------	------	-------	------	-------	-------	-------	-------

21/20	10/9	15/14	16/15	21/20	10/9	15/14	21/20	15/14	16/15	10d
-------	------	-------	-------	-------	------	-------	-------	-------	-------	-----

8f	21/20	25/21	16/15	21/20	25/21	21/20	15/14	16/15
----	-------	-------	-------	-------	-------	-------	-------	-------

8g	7/6	15/14	16/15	7/6	15/14	21/20	15/14	16/15
----	-----	-------	-------	-----	-------	-------	-------	-------

8i	21/20	10/9	8/7	21/20	10/9	15/14	21/20	8/7
----	-------	------	-----	-------	------	-------	-------	-----

8n	10/9	15/14	28/25	10/9	15/14	21/20	15/14	28/25
----	------	-------	-------	------	-------	-------	-------	-------

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C

21/20	15/14	10/9	16/15	21/20	15/14	10/9	21/20	15/14	16/15	
-------	-------	------	-------	-------	-------	------	-------	-------	-------	--

10e

8f	21/20	25/21	16/15	21/20	25/21	21/20	15/14	16/15	
----	-------	-------	-------	-------	-------	-------	-------	-------	--

8p		15/14	10/9	28/25	15/14	10/9	21/20	15/14	28/25
----	--	-------	------	-------	-------	------	-------	-------	-------

7g	9/8	10/9	16/15	9/8	10/9	9/8	16/15	
----	-----	------	-------	-----	------	-----	-------	--

21/20	10/9	15/14	16/15	21/20	15/14	10/9	21/20	15/14	16/15	
-------	------	-------	-------	-------	-------	------	-------	-------	-------	--

10f

8f	21/20	25/21	16/15	21/20	25/21	21/20	15/14	16/15	
----	-------	-------	-------	-------	-------	-------	-------	-------	--

8h	7/6	15/14	16/15	21/20	15/14	7/6	15/14	16/15	
----	-----	-------	-------	-------	-------	-----	-------	-------	--

8j	21/20	10/9	8/7	21/20	15/14	10/9	21/20	8/7	
----	-------	------	-----	-------	-------	------	-------	-----	--

8k	21/20	10/9	15/14	16/15	9/8	10/9	9/8	16/15	
----	-------	------	-------	-------	-----	------	-----	-------	--

8o		10/9	15/14	28/25	15/14	10/9	21/20	15/14	28/25
----	--	------	-------	-------	-------	------	-------	-------	-------

6 TONE C.S.SCALES FOUND WITHIN THE 8 TONE C.S. SCALES

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C

8a		28/27	6/5	15/14	28/27	15/14	21/20	15/14	6/5	
		28/27	9/7	28/27	15/14	21/20	9/7		6b	
8b	15/14	28/27	6/5	15/14	28/27	15/14	21/20	6/5		
	28/27	9/7	28/27	15/14	21/20	9/7		6b		
	10/9	6/5	10/9	15/14	21/20	6/5		6g		
8c	28/27	15/14	6/5	28/27	15/14	21/20	15/14	6/5		
	28/27	9/7	28/27	15/14	21/20	9/7		6a		
	56/45	15/14	56/45	15/14	21/20	15/14		6b		
	10/9	6/5	10/9	21/20	15/14	6/5		6h		

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C

8d	21/20	15/14	28/27	6/5	15/14	28/27	15/14	6/5
----	-------	-------	-------	-----	-------	-------	-------	-----

21/20	15/14	28/27	9/7	28/27	9/7	6a
-------	-------	-------	-----	-------	-----	----

21/20	10/9	6/5	10/9	15/14	6/5	6i
-------	------	-----	------	-------	-----	----

21/20	10/9	6/5	15/14	10/9	6/5	6m
-------	------	-----	-------	------	-----	----

8e	15/14	28/27	15/14	6/5	28/27	15/14	21/20	6/5
----	-------	-------	-------	-----	-------	-------	-------	-----

28/27	9/7	28/27	15/14	21/20	9/7	6b
-------	-----	-------	-------	-------	-----	----

15/14	10/9	6/5	10/9	21/20	6/5	6i
-------	------	-----	------	-------	-----	----

10/9	15/14	6/5	10/9	21/20	6/5	6n
------	-------	-----	------	-------	-----	----

8f	21/20	25/21	16/15	21/20	25/21	21/20	15/14	16/15
----	-------	-------	-------	-------	-------	-------	-------	-------

5/4	16/15	5/4	21/20	15/14	16/15	6c
-----	-------	-----	-------	-------	-------	----

25/21	28/25	25/21	21/20	15/14	28/25	6o
-------	-------	-------	-------	-------	-------	----

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C

8g	7/6	15/14	16/15	7/6	15/14	21/20	15/14	16/15	
----	-----	-------	-------	-----	-------	-------	-------	-------	--

	5/4	16/15	5/4	21/20	15/14	16/15	6c
--	-----	-------	-----	-------	-------	-------	----

	56/45	15/14	56/45	15/14	21/20	15/14	6f
--	-------	-------	-------	-------	-------	-------	----

	7/6	8/7	7/6	15/14	21/20	8/7	6r
--	-----	-----	-----	-------	-------	-----	----

8h	7/6	15/14	16/15	21/20	15/14	7/6	15/14	16/15	
----	-----	-------	-------	-------	-------	-----	-------	-------	--

	5/4	16/15	21/20	5/4	15/14	16/15	6e
--	-----	-------	-------	-----	-------	-------	----

	5/4	16/15	21/20	15/14	5/4	16/15	6d
--	-----	-------	-------	-------	-----	-------	----

	7/6	8/7	7/6	15/14	21/20	8/7	6r
--	-----	-----	-----	-------	-------	-----	----

8i	21/20	10/9	8/7	21/20	10/9	15/14	21/20	8/7	
----	-------	------	-----	-------	------	-------	-------	-----	--

	10/9	6/5	10/9	15/14	21/20	6/5	6g
--	------	-----	------	-------	-------	-----	----

	21/20	10/9	6/5	10/9	15/14	6/5	6i
--	-------	------	-----	------	-------	-----	----

	7/6	8/7	7/6	15/14	21/20	8/7	6r
--	-----	-----	-----	-------	-------	-----	----

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C

8j	21/20	10/9	8/7	21/20	15/14	10/9	21/20	8/7
----	-------	------	-----	-------	-------	------	-------	-----

21/20	10/9	6/5	15/14	10/9	6/5	6e
-------	------	-----	-------	------	-----	----

10/9	6/5	15/14	10/9	21/20	6/5	6j
------	-----	-------	------	-------	-----	----

7/6	8/7	21/20	15/14	7/6	8/7	6q
-----	-----	-------	-------	-----	-----	----

8k	15/14	10/9	28/25	10/9	15/14	21/20	15/14	28/25
----	-------	------	-------	------	-------	-------	-------	-------

25/21	28/25	25/21	21/20	15/14	28/25	6o
-------	-------	-------	-------	-------	-------	----

8n	10/9	15/14	28/25	10/9	15/14	21/20	15/14	28/25
----	------	-------	-------	------	-------	-------	-------	-------

56/45	15/14	56/45	15/14	21/20	15/14	6f
-------	-------	-------	-------	-------	-------	----

10/9	6/5	10/9	15/14	21/20	6/5	6g
------	-----	------	-------	-------	-----	----

25/21	28/25	25/21	21/20	15/14	28/25	6o
-------	-------	-------	-------	-------	-------	----

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C

8n		10/9	15/14	28/25	10/9	15/14	21/20	15/14	28/25			
	56/45	15/14	56/45	15/14	21/20	15/14				6f		
	10/9	6/5	10/9	15/14	21/20	6/5				6g		
	25/21	28/25	25/21	21/20	15/14	28/25				6o		
8o	10/9	15/14	28/25	15/14	10/9	21/20	15/14	28/25				
	10/9	6/5	15/14	10/9	21/20	6/5				6j		
	10/9	15/14	6/5	10/9	21/20	6/5				6n		
	25/21	28/25	15/14	25/21	15/14	28/25				6p		
8p	15/14	10/9	28/25	15/14	10/9	21/20	15/14	28/25				
	6/5	10/9	6/5	10/9	21/20	15/14				6h		
	15/14	10/9	6/5	10/9	21/20	6/5				6k		
	25/21	28/25	25/21	21/20	15/14	28/25				6o		

1/1	21/20	9/8	7/6	5/4	4/3	7/5	3/2	14/9	5/3	7/4	15/8	2/1
21/20	15/14	28/27	15/14	16/15	21/20	15/14	28/27	15/14	21/20	15/14	16/15	
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C

8q		15/14	10/9	28/25	10/9	15/14	21/20	15/14	28/25	
		25/21	28/25	25/21		21/20	15/14	28/25	6o	

8l	9/8	10/9	16/15	21/20	10/9	9/8	15/14	16/15
----	-----	------	-------	-------	------	-----	-------	-------

8m	9/8	10/9	16/15	21/20	10/9	15/14	9/8	16/15
----	-----	------	-------	-------	------	-------	-----	-------