

Rotations
For string quartet

Hexachord and Prime tri-forms
[0 – 1 – 2 – 4 – 7 – 8]

Red text indicates a 'prime' tri-form not listed in Forte's *Structure of Atonal Music* prime tri-forms. Purple bold text indicates the set extends beyond the octave. Blue shading indicates the transpositions (if any) found within the source hexachord. Yellow shading indicates a set with no transpositions.

0	1	2		0	1	3		0	1	4		0	1	5		0	1	6		0	1	7		0	1	8		0	1	9		0	1	10		0	1	11
1	2	3		1	2	4		1	2	5		1	2	6		1	2	7		1	2	8		1	2	9		1	2	10		1	2	11		1	2	0
2	3	4		2	3	5		2	3	6		2	3	7		2	3	8		2	3	9		2	3	10		2	3	11		2	3	0		2	3	1
3	4	5		3	4	6		3	4	7		3	4	8		3	4	9		3	4	10		3	4	11		3	4	0		3	4	1		3	4	2
4	5	6		4	5	7		4	5	8		4	5	9		4	5	10		4	5	11		4	5	0		4	5	1		4	5	2		4	5	3
5	6	7		5	6	8		5	6	9		5	6	10		5	6	11		5	6	0		5	6	1		5	6	2		5	6	3		5	6	4
6	7	8		6	7	9		6	7	10		6	7	11		6	7	0		6	7	1		6	7	2		6	7	3		6	7	4		6	7	5
7	8	9		7	8	10		7	8	11		7	8	0		7	8	1		7	8	2		7	8	3		7	8	4		7	8	5		7	8	6
8	9	10		8	9	11		8	9	0		8	9	1		8	9	2		8	9	3		8	9	4		8	9	5		8	9	6		8	9	7
9	10	11		9	10	0		9	10	1		9	10	2		9	10	3		9	10	4		9	10	5		9	10	6		9	10	7		9	10	8
10	11	0		10	11	1		10	11	2		10	11	3		10	11	4		10	11	5		10	11	6		10	11	7		10	11	8		10	11	9
11	0	1		11	0	2		11	0	3		11	0	4		11	0	5		11	0	6		11	0	7		11	0	8		11	0	9		11	0	10

0	2	3		0	2	4		0	2	5		0	2	6		0	2	7		0	2	8		0	2	9		0	2	10		0	2	11
1	3	4		1	3	5		1	3	6		1	3	7		1	3	8		1	3	9		1	3	10		1	3	11		1	3	0
2	4	5		2	4	6		2	4	7		2	4	8		2	4	9		2	4	10		2	4	11		2	4	0		2	4	1
3	5	6		3	5	7		3	5	8		3	5	9		3	5	10		3	5	11		3	5	0		3	5	1		3	5	2
4	6	7		4	6	8		4	6	9		4	6	10		4	6	11		4	6	0		4	6	1		4	6	2		4	6	3
5	7	8		5	7	9		5	7	10		5	7	11		5	7	0		5	7	1		5	7	2		5	7	3		5	7	4
6	8	9		6	8	10		6	8	11		6	8	0		6	8	1		6	8	2		6	8	3		6	8	4		6	8	5
7	9	10		7	9	11		7	9	0		7	9	1		7	9	2		7	9	3		7	9	4		7	9	5		7	9	6
8	10	11		8	10	0		8	10	1		8	10	2		8	10	3		8	10	4		8	10	5		8	10	6		8	10	7
9	11	0		9	11	1		9	11	2		9	11	3		9	11	4		9	11	5		9	11	6		9	11	7		9	11	8
10	0	1		10	0	2		10	0	3		10	0	4		10	0	5		10	0	6		10	0	7		10	0	8		10	0	9
11	1	0		11	1	3		11	1	4		11	1	5		11	1	6		11	1	7		11	1	8		11	1	9		11	1	10

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0	3	4		0	3	5		0	3	6		0	3	7		0	3	8		0	3	9		0	3	10		0	3	11
1	4	5		1	4	6		1	4	7		1	4	8		1	4	9		1	4	10		1	4	11		1	4	0
2	5	6		2	5	7		2	5	8		2	5	9		2	5	10		2	5	11		2	5	0		2	5	1
3	6	7		3	6	8		3	6	9		3	6	10		3	6	11		3	6	0		3	6	1		3	6	2
4	7	8		4	7	9		4	7	10		4	7	11		4	7	0		4	7	1		4	7	2		4	7	3
5	8	9		5	8	10		5	8	11		5	8	0		5	8	1		5	8	2		5	8	3		5	8	4
6	9	10		6	9	11		6	9	0		6	9	1		6	9	2		6	9	3		6	9	4		6	9	5
7	10	11		7	10	0		7	10	1		7	10	2		7	10	3		7	10	4		7	10	5		7	10	6
8	11	0		8	11	1		8	11	2		8	11	3		8	11	4		8	11	5		8	11	6		8	11	7
9	0	1		9	0	2		9	0	3		9	0	4		9	0	5		9	0	6		9	0	7		9	0	8
10	1	2		10	1	3		10	1	4		10	1	5		10	1	6		10	1	7		10	1	8		10	1	9
11	2	3		11	2	4		11	2	5		11	2	6		11	2	7		11	2	8		11	2	9		11	2	10

0	4	5		0	4	6		0	4	7		0	4	8		0	4	9		0	4	10		0	4	11
1	5	6		1	5	7		1	5	8		1	5	9		1	5	10		1	5	11		1	5	0
2	6	7		2	6	8		2	6	9		2	6	10		2	6	11		2	6	0		2	6	1
3	7	8		3	7	9		3	7	10		3	7	11		3	7	0		3	7	1		3	7	2
4	8	9		4	8	10		4	8	11		4	8	0		4	8	1		4	8	2		4	8	3
5	9	10		5	9	11		5	9	0		5	9	1		5	9	2		5	9	3		5	9	4
6	10	11		6	10	0		6	10	1		6	10	2		6	10	3		6	10	4		6	10	5
7	11	0		7	11	1		7	11	2		7	11	3		7	11	4		7	11	5		7	11	6
8	0	1		8	0	2		8	0	3		8	0	4		8	0	5		8	0	6		8	0	7
9	1	2		9	1	3		9	1	4		9	1	5		9	1	6		9	1	7		9	1	8
10	2	3		10	2	4		10	2	5		10	2	6		10	2	7		10	2	8		10	2	9
11	3	4		11	3	5		11	3	6		11	3	7		11	3	8		11	3	9		11	3	10

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0	5	6		0	5	7		0	5	8		0	5	9		0	5	10		0	5	11
1	6	7		1	6	8		1	6	9		1	6	10		1	6	11		1	6	0
2	7	8		2	7	9		2	7	10		2	7	11		2	7	0		2	7	1
3	8	9		3	8	10		3	8	11		3	8	0		3	8	1		3	8	2
4	9	10		4	9	11		4	9	0		4	9	1		4	9	2		4	9	3
5	10	11		5	10	0		5	10	1		5	10	2		5	10	3		5	10	4
6	11	0		6	11	1		6	11	2		6	11	3		6	11	4		6	11	5
7	0	1		7	0	2		7	0	3		7	0	4		7	0	5		7	0	6
8	1	2		8	1	3		8	1	4		8	1	5		8	1	6		8	1	7
9	2	3		9	2	4		9	2	5		9	2	6		9	2	7		9	2	8
10	3	4		10	3	5		10	3	6		10	3	7		10	3	8		10	3	9
11	4	5		11	4	6		11	4	7		11	4	8		11	4	9		11	4	10

0	6	7		0	6	8		0	6	9		0	6	10		0	6	11		0	6	11
1	7	8		1	7	9		1	7	10		1	7	11		1	7	11		1	7	0
2	8	9		2	8	10		2	8	11		2	8	0		2	8	0		2	8	1
3	9	10		3	9	11		3	9	0		3	9	1		3	9	1		3	9	2
4	10	11		4	10	0		4	10	1		4	10	2		4	10	2		4	10	3
5	11	0		5	11	1		5	11	2		5	11	3		5	11	3		5	11	4
6	0	1		6	0	2		6	0	3		6	0	4		6	0	4		6	0	5
7	1	2		7	1	3		7	1	4		7	1	5		7	1	5		7	1	6
8	2	3		8	2	4		8	2	5		8	2	6		8	2	6		8	2	7
9	3	4		9	3	5		9	3	6		9	3	7		9	3	7		9	3	8
10	4	5		10	4	6		10	4	7		10	4	8		10	4	8		10	4	9
11	5	6		11	5	7		11	5	8		11	5	9		11	5	9		11	5	10

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0	7	8		0	7	9		0	7	10		0	7	11
1	8	9		1	8	10		1	8	11		1	8	0
2	9	10		2	9	11		2	9	0		2	9	1
3	10	11		3	10	0		3	10	1		3	10	2
4	11	0		4	11	1		4	11	2		4	11	3
5	0	1		5	0	2		5	0	3		5	0	4
6	1	2		6	1	3		6	1	4		6	1	5
7	2	3		7	2	4		7	2	5		7	2	6
8	3	4		8	3	5		8	3	6		8	3	7
9	4	5		9	4	6		9	4	7		9	4	8
10	5	6		10	5	7		10	5	8		10	5	9
11	6	7		11	6	8		11	6	9		11	6	10

0	8	9		0	8	10		0	8	11
1	9	10		1	9	11		1	9	0
2	10	11		2	10	0		2	10	1
3	11	0		3	11	1		3	11	2
4	0	1		4	0	2		4	0	3
5	1	2		5	1	3		5	1	4
6	2	3		6	2	4		6	2	5
7	3	4		7	3	5		7	3	6
8	4	5		8	4	6		8	4	7
9	5	6		9	5	7		9	5	8
10	6	7		10	6	8		10	6	9
11	7	8		11	7	9		11	7	10