

Hexachordal Combinatoriality: Retrograde Inversion

Berg, Lulu Basic Series

Based on the set 0 4 5 2 7 9 6 8 11 10 3 1

#1 →

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

#2 #2 #2 #2 #2 #2

$$\begin{array}{c|c}
 \begin{array}{c} \text{\#1} \\ 2 \\ 1 \end{array} & \begin{array}{c} \text{\#2} \\ 2 \end{array} \\
 \hline
 P 0 < 0 \ 4 \ 5 \ 2 \ 7 \ 9 & 6 \ 8 \ 11 \ 10 \ 3 \ 1 > \text{aggregate} \\
 \hline
 P I 9 < 8 \ 6 \ 11 \ 10 \ 1 \ 3 & 0 \ 2 \ 7 \ 4 \ 5 \ 9 > \text{aggregate} \\
 \hline
 \begin{array}{c} \text{\#2} \\ \text{aggregate} \end{array} & \begin{array}{c} \text{\#1} \\ \text{aggregate} \end{array}
 \end{array}$$

Hexachordal Combinatoricality; Retrograde

Berg, Lulu Basic Series

Based on the set 0 4 5 2 7 9 6 8 11 10 3 1

#1 →

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

← #2

Hexachordal Combinatoriality: Prime

Berg, Lulu Basic Series

Based on the set 0 4 5 2 7 9 6 8 11 10 3 1

#1 →

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

#2 →
#2 →
#2 →
#2 →
#2 →
#2 →

$P_0 < \overset{\#1}{0 \ 4 \ 5 \ 2 \ 7 \ 9} \mid \overset{\#2}{6 \ 8 \ 11 \ 10 \ 3 \ 1} >$ aggregate
 $P_6 < \overset{\#2}{6 \ 10 \ 11 \ 8 \ 1 \ 3} \mid \overset{\#1}{0 \ 2 \ 5 \ 4 \ 9 \ 7} >$ aggregate
 aggregate aggregate

Hexachordal Combinatoriality; Inversion

Berg, Lulu Basic Series

Based on the set 0 4 5 2 7 9 6 8 11 10 3 1

#2 #2 #2 #2 #2 #2

#1 →

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

$$\begin{array}{c|c}
 \begin{array}{l} \text{\#1} \\ P0 < 0\ 4\ 5\ 2\ 7\ 9 \end{array} & \begin{array}{l} \text{\#2} \\ 6\ 8\ 11\ 10\ 3\ 1 \end{array} \\
 \hline
 \begin{array}{l} I3 < 3\ 11\ 10\ 1\ 8\ 6 \\ \text{\#2} \end{array} & \begin{array}{l} 9\ 7\ 4\ 5\ 0\ 2 \\ \text{\#1} \end{array} \\
 \hline
 \text{aggregate} & \text{aggregate}
 \end{array}$$