

**Straus Chapter 6**  
*Part 2: Varieties of Twelve-Tone Music*

Joseph N. Straus. 2016. *Introduction to Post-Tonal Theory*, 4th ed. (New York: Norton), pp. 318-38.

**TERMS & CONCEPTS**

<p><b>Webern and Derivation</b> (§ 6.5.1, p. 318)                  Derived series                  A series in which “the discrete segmental trichords or tetrachords are all members of the same set class.”</p> <p>FOR STUDY: Webern, Concerto, Op. 24 (1934), I</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>G-B<math>\flat</math>-B</td> <td>D<math>\sharp</math>-D-F<math>\sharp</math></td> <td>E-F-C<math>\sharp</math></td> <td>C-A<math>\flat</math>-A</td> </tr> <tr> <td>&lt;+4, -1&gt;</td> <td>&lt;-1, +4&gt;</td> <td>&lt;+1, -4&gt;</td> <td>&lt;-4, +1&gt;</td> </tr> <tr> <td>P</td> <td>RI</td> <td>R</td> <td>I</td> </tr> </table> <p><b>Schoenberg &amp; Hexachordal Combinatoriality</b> (§ 6.5.2, p. 322)                  Aggregate (Agg.)                  An aggregate is a “collection consisting of all twelve pitch classes” that is “the basic harmonic unit in twelve-tone music.”</p> <p>Hexachord (Hex.)                  Combinatoriality (Comb.)                  Schoenberg &amp; I-comb.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>P<sub>0</sub></td> <td>H<sub>1</sub></td> <td>H<sub>2</sub></td> </tr> <tr> <td>I<sub>x</sub></td> <td>H<sub>2</sub></td> <td>H<sub>1</sub></td> </tr> </table> <p style="text-align: center;">Agg.    Agg.</p> <p>Twelve-tone areas (A<sub>n</sub>)</p> <p><b>The 4 types of hexachordal combinatoriality</b>                  P-comb. – H<sub>1</sub> maps onto its complement under T<sub>n</sub>                  I-comb. – H<sub>1</sub> maps onto its complement under I<sub>n</sub>                  R-comb. – H<sub>1</sub> maps onto itself under T<sub>n</sub>                  RI-comb. – H<sub>1</sub> maps onto itself under I<sub>n</sub></p>	G-B $\flat$ -B	D $\sharp$ -D-F $\sharp$	E-F-C $\sharp$	C-A $\flat$ -A	<+4, -1>	<-1, +4>	<+1, -4>	<-4, +1>	P	RI	R	I	P <sub>0</sub>	H <sub>1</sub>	H <sub>2</sub>	I <sub>x</sub>	H <sub>2</sub>	H <sub>1</sub>	<p>FOR STUDY:                  Schoenberg, <i>Fourth String Quartet</i>, Op. 37(1936), III</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>P<sub>0</sub></td> <td>C-B-G-A<math>\flat</math>-E<math>\flat</math>-D<math>\flat</math></td> <td>D-B<math>\flat</math>-G<math>\flat</math>-F-E-A</td> <td>R<sub>0</sub></td> </tr> <tr> <td>I<sub>5</sub></td> <td>F-G<math>\flat</math>-B<math>\flat</math>-A-D-E</td> <td>E<math>\flat</math>-G-B-C-D<math>\flat</math>-A<math>\flat</math></td> <td>RI<sub>5</sub></td> </tr> </table> <p><b>Stravinsky and Rotational Arrays</b> (§ 6.5.3, p. 328)                  Four-part array (P, I, R &amp; IR)                  Rotational array                  Verticals</p> <p>FOR STUDY: Stravinsky, <i>Requiem Canticles</i> (1966), II</p> <p><b>Babbitt and Trichordal Arrays</b> (§ 6.5.5, p. 334)                  Trichordal array (see also Mead 1994)                  The 6 all-combinatorial hexachords (p. 324)</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>A</td> <td>6-1 (012345)</td> </tr> <tr> <td>B</td> <td>6-8 (023457)</td> </tr> <tr> <td>C</td> <td>6-32 (024579)</td> </tr> <tr> <td>D</td> <td>6-7 (012678)</td> </tr> <tr> <td>E</td> <td>6-20 (014589)</td> </tr> <tr> <td>F</td> <td>6-35 (02468T)</td> </tr> </table> <p>FOR STUDY: Babbitt, <i>String Quartet No. 2</i> (1954)</p> <p><b>Other Topics</b>                  Second Viennese School &amp; Darmstadt School                  Tonal orientation (pp. 314-15)                  Short series (p. 356)                  Total serialism (Straus 2005, pp. 234-236)                  Boulez and multiplication (Straus 2005, p. 235)</p>	P <sub>0</sub>	C-B-G-A $\flat$ -E $\flat$ -D $\flat$	D-B $\flat$ -G $\flat$ -F-E-A	R <sub>0</sub>	I <sub>5</sub>	F-G $\flat$ -B $\flat$ -A-D-E	E $\flat$ -G-B-C-D $\flat$ -A $\flat$	RI <sub>5</sub>	A	6-1 (012345)	B	6-8 (023457)	C	6-32 (024579)	D	6-7 (012678)	E	6-20 (014589)	F	6-35 (02468T)
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**Further Study**

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