### TERMS & CONCEPTS

#### Webern and Derivation (§ 6.5.1, p. 318)

**Dervied series**

A series in which “the discrete segmental trichords or tetrachords are all members of the same set class.”

<table>
<thead>
<tr>
<th>G–B–B</th>
<th>D#–D–F</th>
<th>E–F–C#</th>
<th>C–A–A</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>

**For Study:** Webern, Concerto, op. 24 (1934)

#### Schoenberg & Hexachordal

##### Combinatoriality (§ 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.”

**Hexachord (Hex.)**

Combinatoriality (Comb.)

Schoenberg & I-comb.

<table>
<thead>
<tr>
<th>P₀</th>
<th>H₁</th>
<th>H₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>I₁</td>
<td>H₁</td>
<td>H₁</td>
</tr>
</tbody>
</table>

Agg. Agg.

**Twelve-tone areas (Aₙ)**

#### The 4 types of hexachordal combinatoriality

- P-comb. − H₁ maps onto its complement under Tₙ
- I-comb. − H₁ maps onto its complement under Iₙ
- R-comb. − H₁ maps onto itself under Tₙ
- RI-comb. − H₁ maps onto itself under Iₙ

|----|---------------|---------------|

**For Study:**

- Schoenberg, *Fourth String Quartet*, op. 37 (1936)

#### Stravinsky and Rotational Arrays (§ 6.5.3, p. 328)

**Four-part array (P, I, R & IR)**

Rotational array

**Verticals**

**For Study:**

- Stravinsky, *Requiem Canticles* (1966)

#### Babbitt and Trichordial Arrays (§ 6.5.5, p. 334)

**Trichordal array** (see also Mead 1994)

The 6 all-combinatorial hexachords (p. 324)

<table>
<thead>
<tr>
<th>A</th>
<th>6-1 (012345)</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>

**For Study:**

- Babbitt, *String Quartet No. 2* (1954)

#### Other Topics

- Tonal orientation (pp. 314-15)
- Short series (p. 356)
- Total serialism (Straus 2005, pp. 234-236)
- Boulez and multiplication (Straus 2005, p. 235)

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### Further Study


