

MTO 17.1 Examples: Fitzpatrick, Models and Music Theory

(Note: audio, video, and other interactive examples are only available online)

<http://www.mtosmt.org/issues/mto.11.17.1/mto.11.17.1.fitzpatrick.php>

Figure 1. Lewin 1996

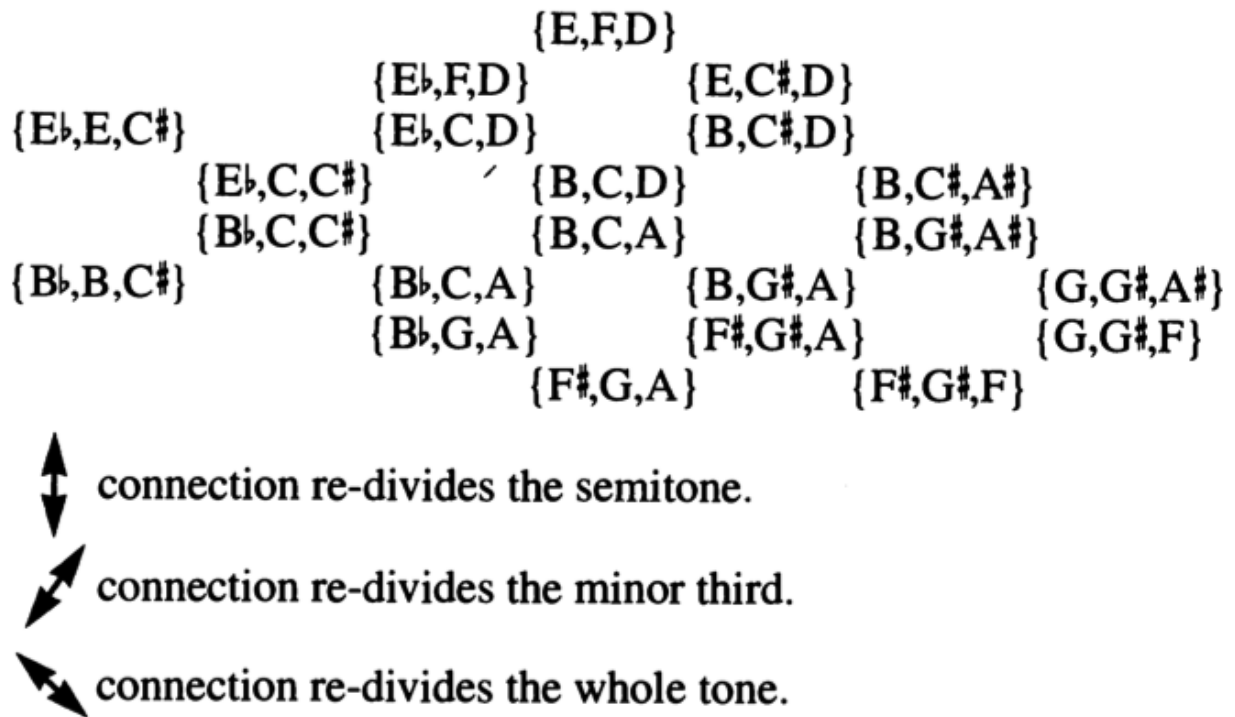


Figure 2. Lewin 1998

GRAPH

<p>$\{A B\flat C\}$ $\{A B\flat G\}$</p>	<p>$\{A F\sharp G\}$ $\{E F\sharp G\}$</p>	<p>$\{B G\sharp A\}$ $\{f\sharp g\sharp a\}$</p>	<p>$\{e\sharp f\sharp g\sharp\}$ $\{e\sharp f\sharp d\sharp\}$</p>	<p>$\{B\flat G A\flat\}$ $\{e\sharp f\sharp g\sharp\}$</p>	<p>$\{F G E\}$ $\{F D E\}$</p>
<p>$\{E F G\}$ $\{E F D\}$</p>	<p>$\{E C\sharp D\}$ $\{B C\sharp D\}$</p>	<p>$\{e f\sharp d\sharp\}$ $\{e c\sharp d\sharp\}$</p>	<p>$\{b\sharp c\sharp d\sharp\}$ $\{b\sharp c\sharp a\sharp\}$</p>	<p>$\{F D E\flat\}$ $\{C D E\flat\}$</p>	<p>$\{C D B\}$ $\{C A B\}$</p>
<p>$\{B C D\}$ $\{B C A\}$</p>	<p>$\{b g\sharp a\}$ $\{f\sharp g\sharp a\}$</p>	<p>$\{b c\sharp a\sharp\}$ $\{b g\sharp a\sharp\}$</p>	<p>$\{G A\flat B\flat\}$ $\{G A\flat F\}$</p>	<p>$\{C A B\flat\}$ $\{G A B\flat\}$</p>	<p>$\{G A F\sharp\}$ $\{G E F\sharp\}$</p>
<p>$\{A F\sharp G\}$</p>	<p>$\{F\sharp G\sharp F\}$</p>	<p>$\{G E F\}$</p>	<p>$\{G E F\}$</p>	<p>$\{G E F\}$</p>	<p>$\{G E F\}$</p>

Table 1. Note: “CF 0-1” reads “Cohn-flip about arguments 0 and 1,” etc. Cohn-flipped arguments are shown in italics.

$$\begin{aligned}
 \{BG\sharp A\} &\rightarrow (912) \rightarrow \text{CF } 0\text{-}1 \rightarrow (192) \rightarrow \{BCA\} \\
 &\rightarrow \text{CF } 0\text{-}2 \rightarrow (219) \rightarrow \{F\sharp G\sharp A\} \\
 &\rightarrow \text{CF } 1\text{-}2 \rightarrow (921) \rightarrow \{BG\sharp A\sharp\}
 \end{aligned}$$

Figure 3. Reed and Bain 2007

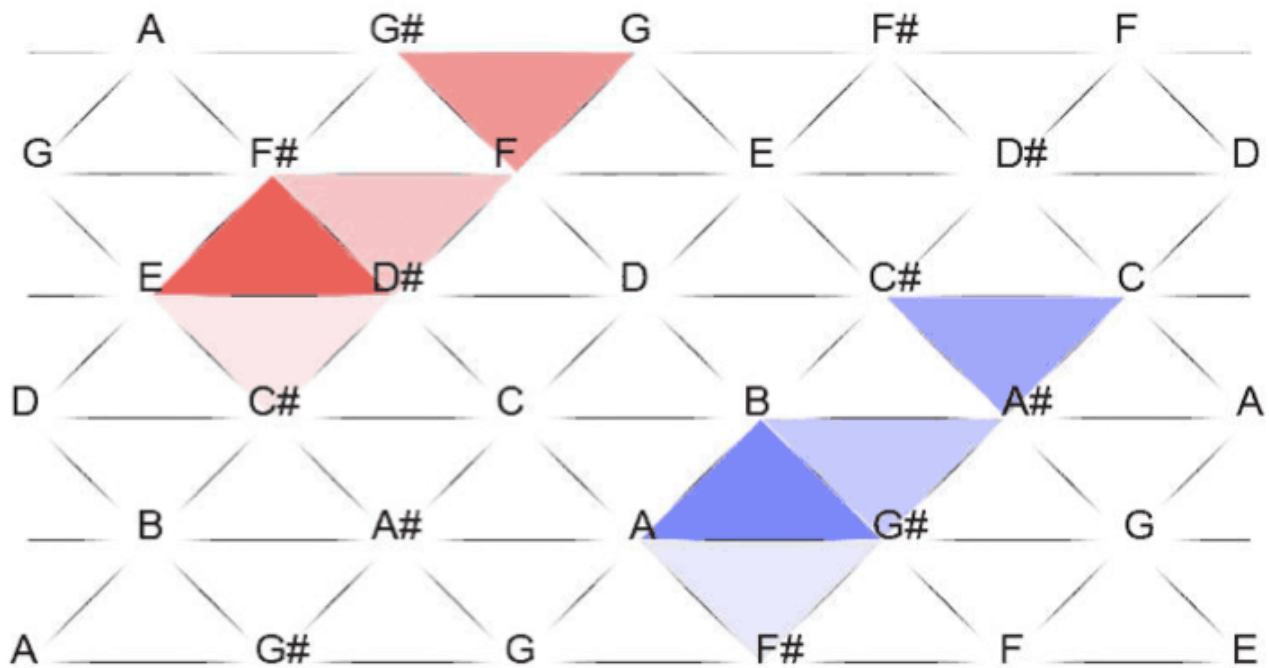
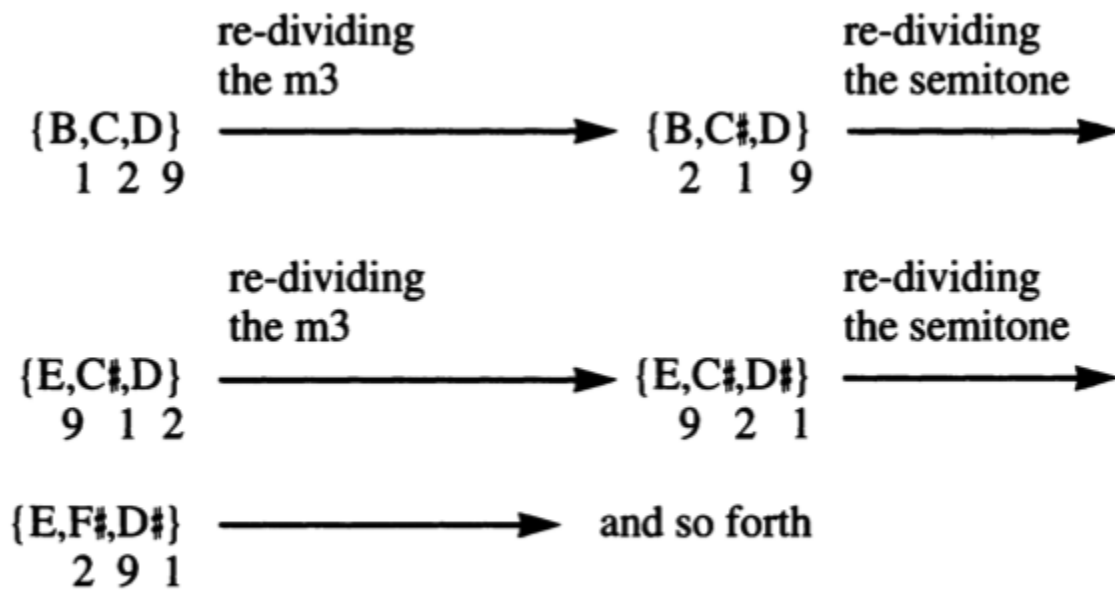


Figure 4. Lewin's Example 7



Example 7

Table 2. Cohn Flip Relationships between Two Neighbouring Triangles on the *Tonnetz*

{FDE}		{FDD#}
(192)	CF 0,1→	(912)
	CF 1,2→	(129)
	CF 0,2→	(291)
(921)	CF 1,2→	(912)
	CF 0,2→	(129)
	CF 0,1→	(291)
(219)	CF 0,2→	(912)
	CF 0,1→	(129)
	CF 1,2→	(291)