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MTO 9.3 Examples: Kuusi, The Role of Set-Class Identity in the Estimation of Chords

(Note: audio, video, and other interactive examples are only available online)
http://www.mtosmt.org/issues/mto.03.9.3/mto.03.9.3.kuusi.php

Table 1. The Huron consonance values for the set-classes

Set-class	Huron consonance	Set-class	Huron consonance	Set-class	Huron consonance
3-1	-1.146	3-11B	0.740	5-33	-0.169
3-2A	-0.472	5-1	-0.588	5-34	0.224
3-8A	-0.216	5-4A	-0.309	5-35	0.479

Figure 1. The chords derived from the four triad classes

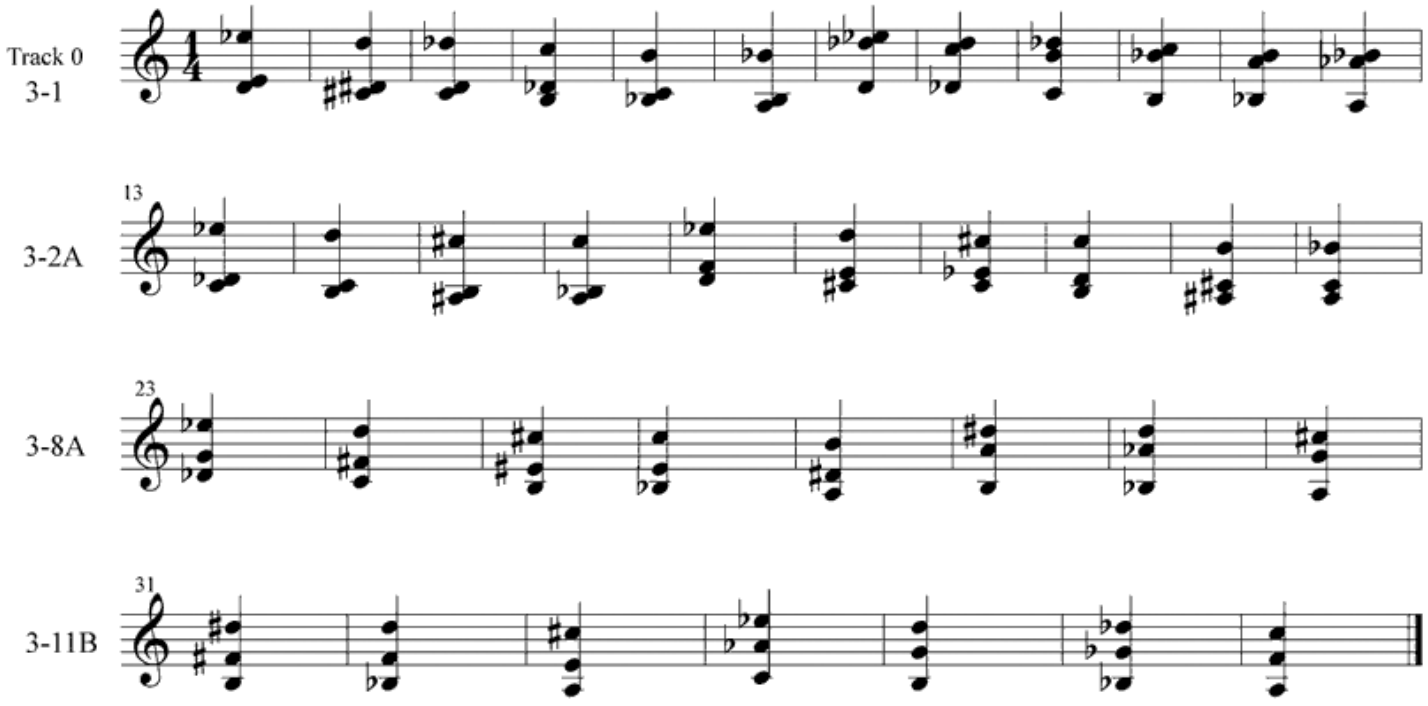


Figure 2. The chords derived from the five pentad classes

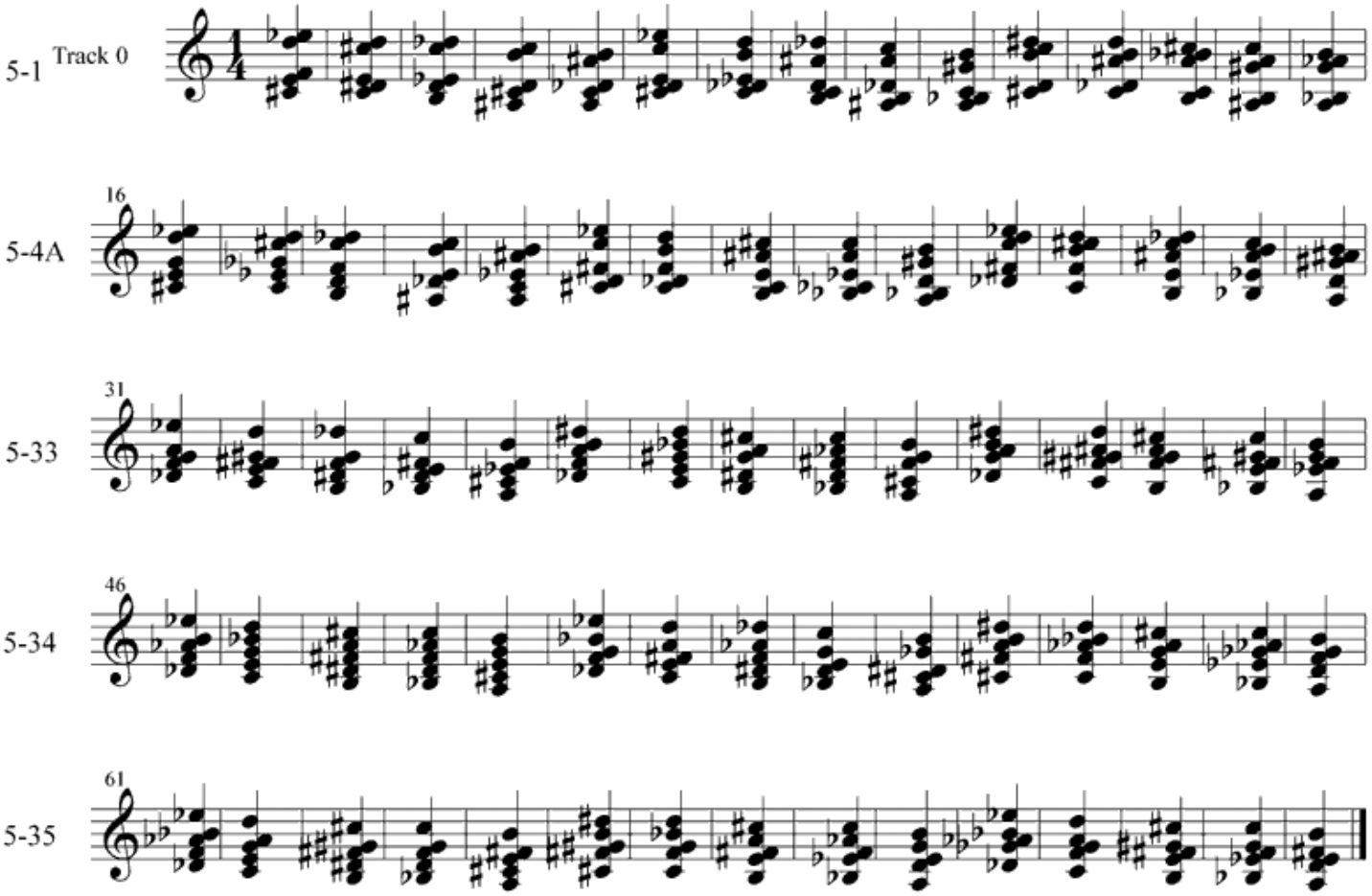
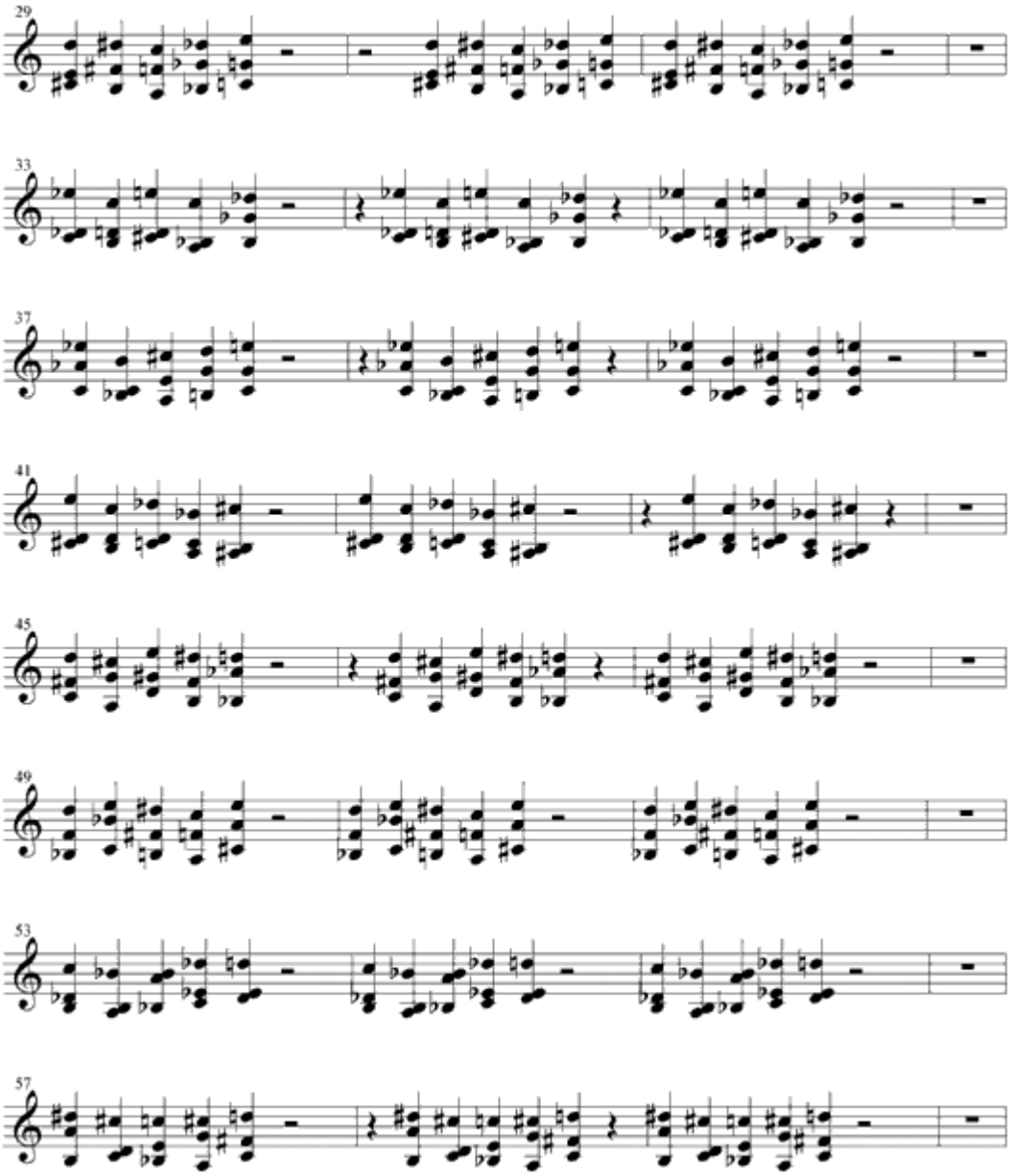
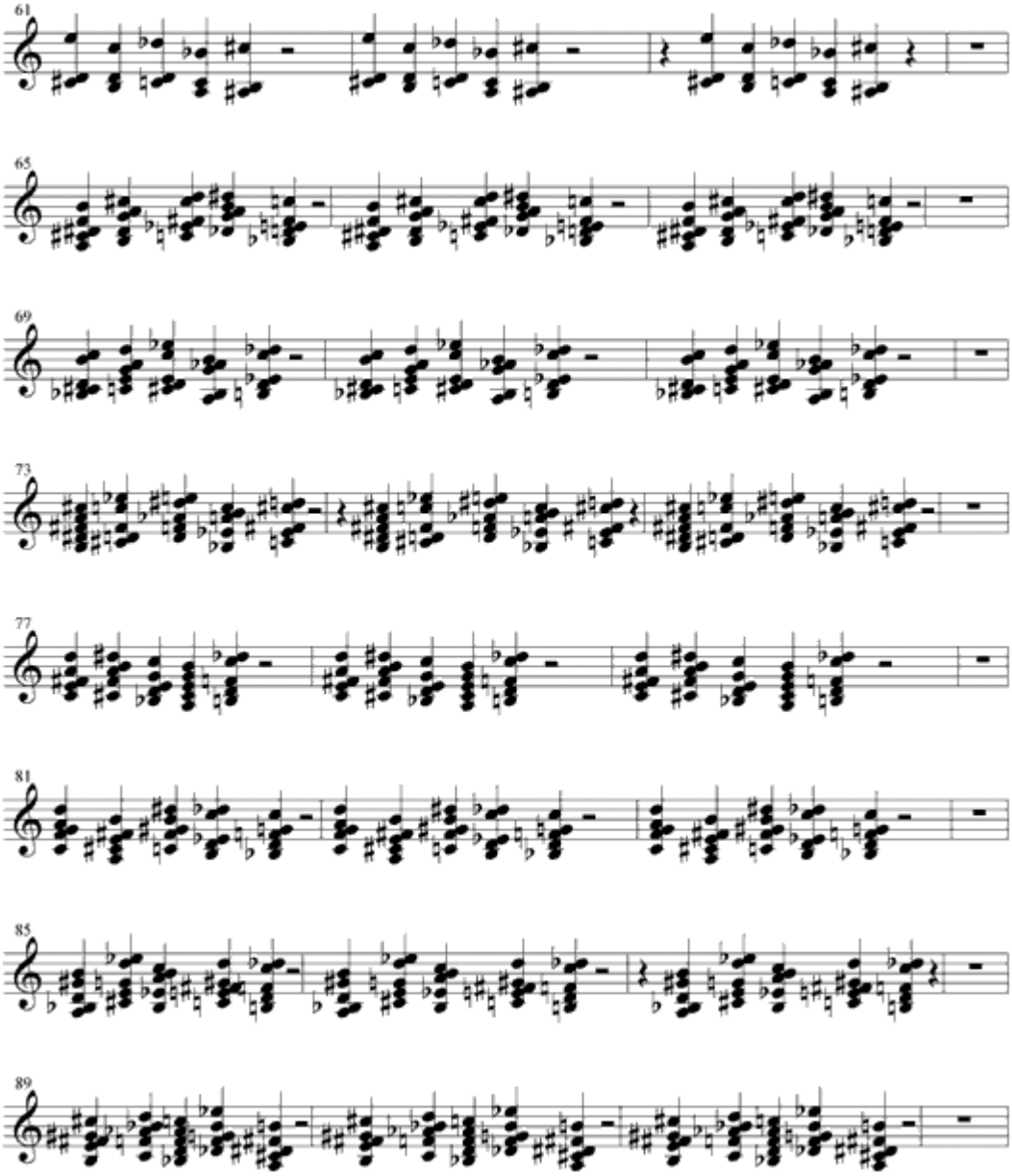
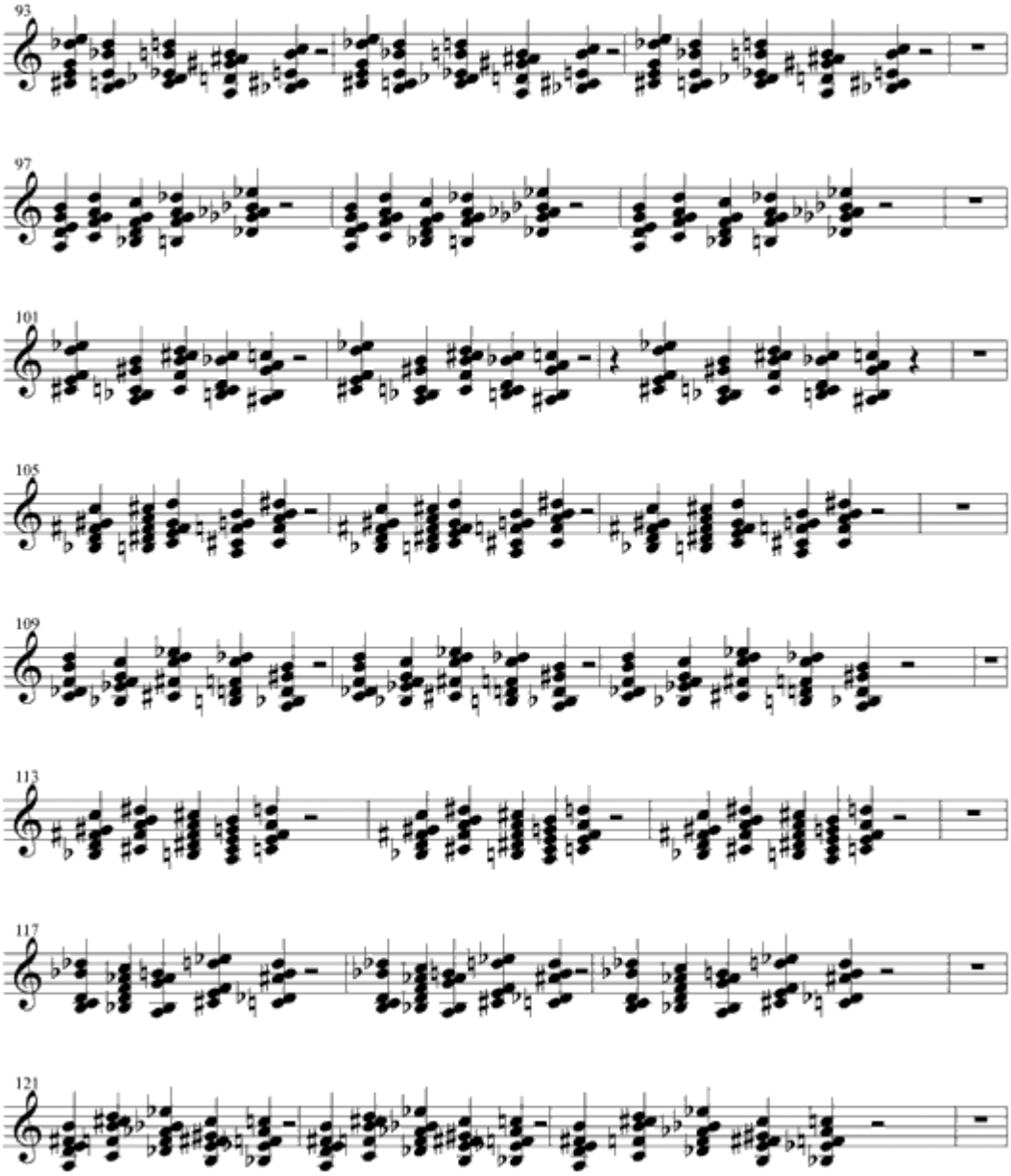


Figure 3. The 42 test items



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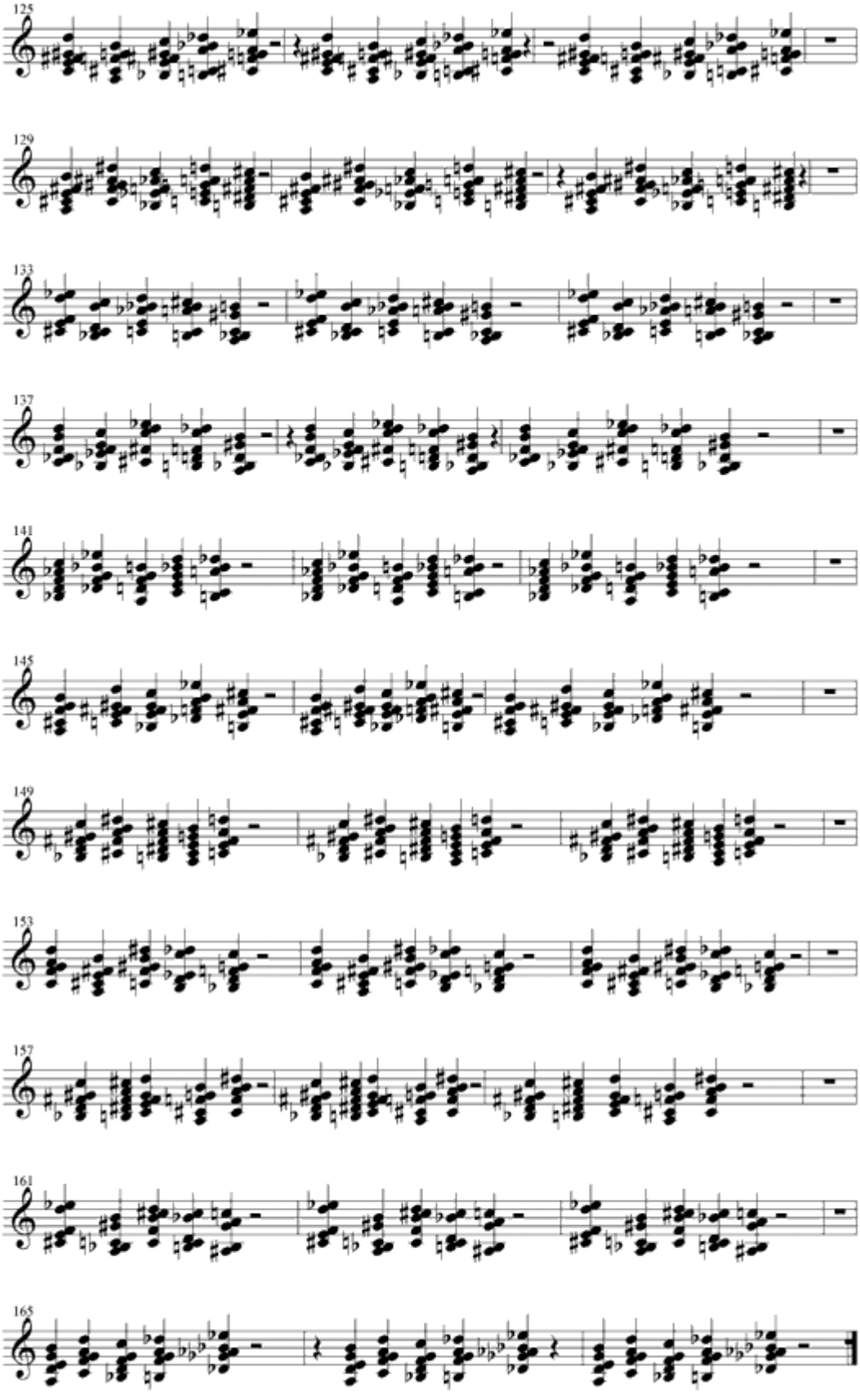
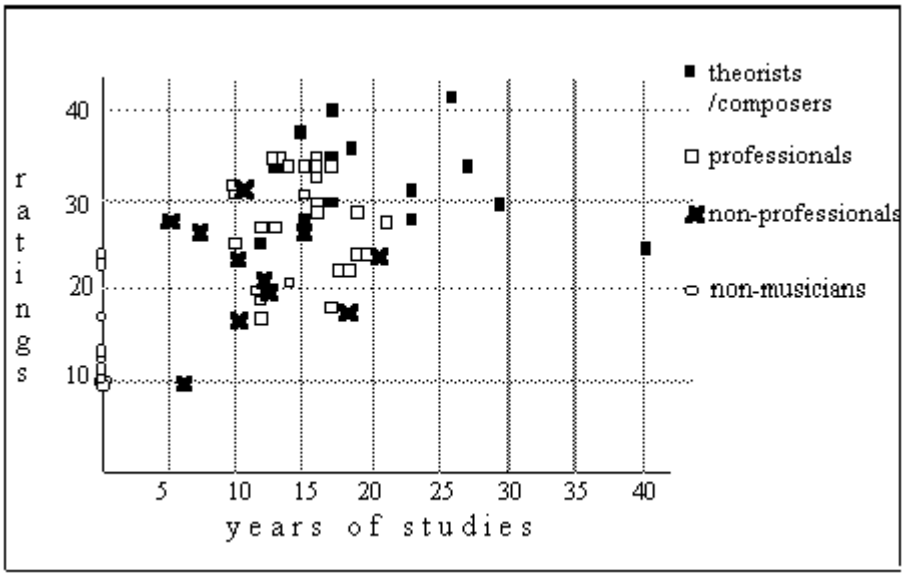


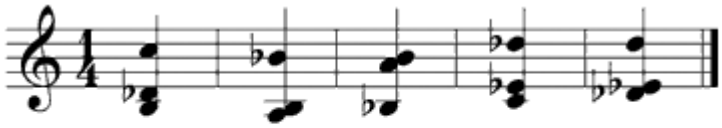
Table 2. The averages and the standard deviations (in parentheses) of ratings that were made according to the pitch-class set-theoretical paradigm

Subjects		Triad classes N = 16	Pentad classes N = 25
Theorists/Composers	N = 14	12.64 (2.06)	19.07 (3.96)
Professionals	N = 27	9.93 (3.12)	17.00 (3.41)
Non-professionals	N = 11	7.91 (2.55)	13.82 (4.47)
Non-musicians	N = 10	4.60 (2.46)	9.07 (3.96)

Figure 4. The ratings made according to the pitch-class set-theoretical paradigm (Y-axis) plotted against the years of music studies (X-axis)

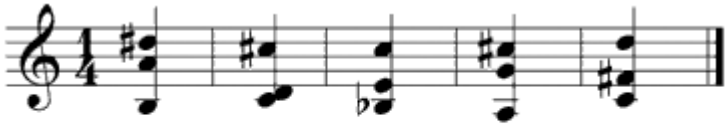


Example 1. The five chords of items 4 and 14. The percentiles indicate how often each chord was selected in the test



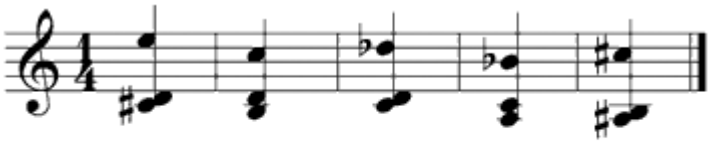
Item 4:	11.3%	12.9%	41.9%	32.3%	0.0%
Item 14:	6.5%	1.6%	37.1%	46.8%	4.8%

Example 2. The five chords of items 7 and 15. The percentiles indicate how often each chord was selected in the test



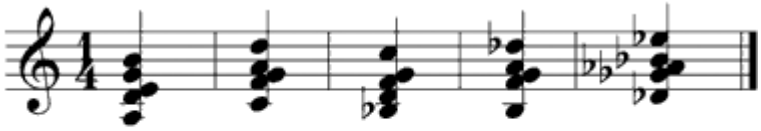
Item 7:	29.0%	61.3%	3.2%	0.0%	6.5%
Item 15:	21.0%	66.1%	0.0%	0.0%	12.9%

Example 3. The five chords of items 11 and 16. The percentiles indicate how often each chord was selected in the test



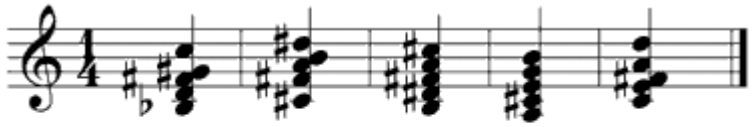
Item 11:	17.7%	4.8%	24.2%	19.4%	27.4%
Item 16:	22.6%	4.8%	17.7%	19.4%	32.3%

Example 4. The five chords of items 25 and 42. The percentiles indicate how often each chord was selected in the test



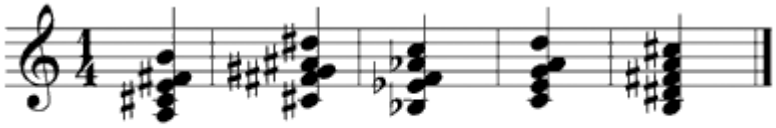
Item 25:	4.8%	4.8%	8.1%	40.3%	40.3%
Item 42:	4.8%	4.8%	9.7%	48.4%	32.3%

Example 5. The five chords of items 29 and 38. The percentiles indicate how often each chord was selected in the test



Item 29:	32.3%	8.1%	25.8%	11.3%	22.6%
Item 38:	32.3%	16.1%	25.8%	12.9%	11.3%

Example 6. The five chords of item 33. The percentiles indicate how often each chord was selected in the test



Item 33:	14.5%	30.7%	3.2%	21.0%	29.0%