



Counterpoint MIDI



Project's goals

- Create First and Second Species Counterpoint sequences, given a Cantus Firmus acquired via MIDI transmission
- Visualize the original transmitted notes and the generated ones



Creating Counterpoint notes

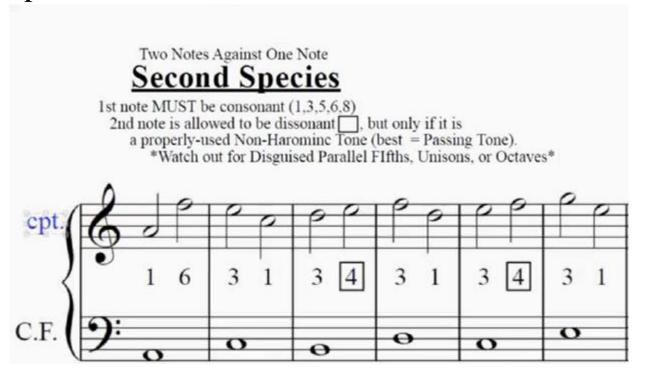
•Notes are generated following First and Second Species Counterpoint rules:





Creating Counterpoint notes

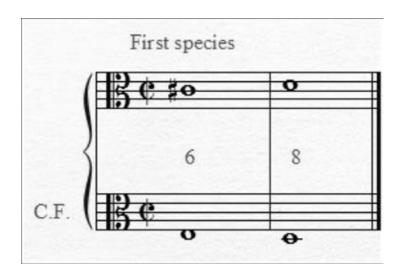
•Notes are generated following First and Second Species Counterpoint rules:

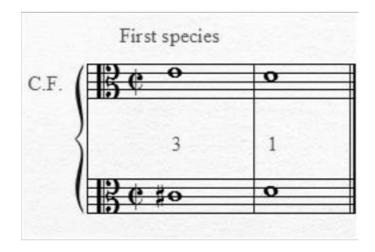




Clausola Vera

•Counterpoint lines end with a modal cadence built following the rules of the clausola vera:

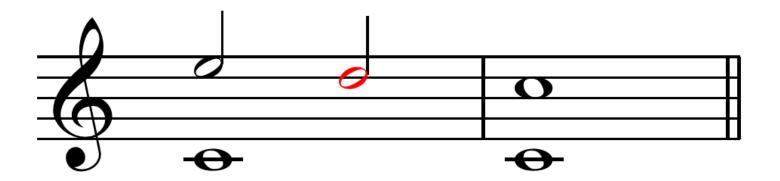






Passing notes

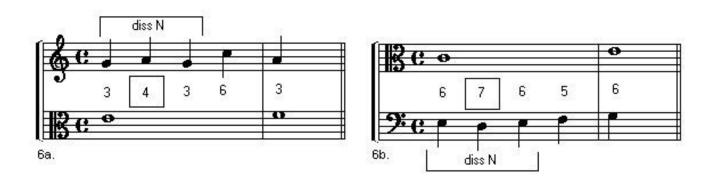
•Dissonant notes generated for the Second Species Counterpoint lines can only be passing tones filling the interval of a third:





Neighbour notes

•Dissonant notes generated for the Second Species Counterpoint lines can also be neighbour tones, moving away from the consonance by a step, and then resolving back to the consonance by a step in the opposite direction;





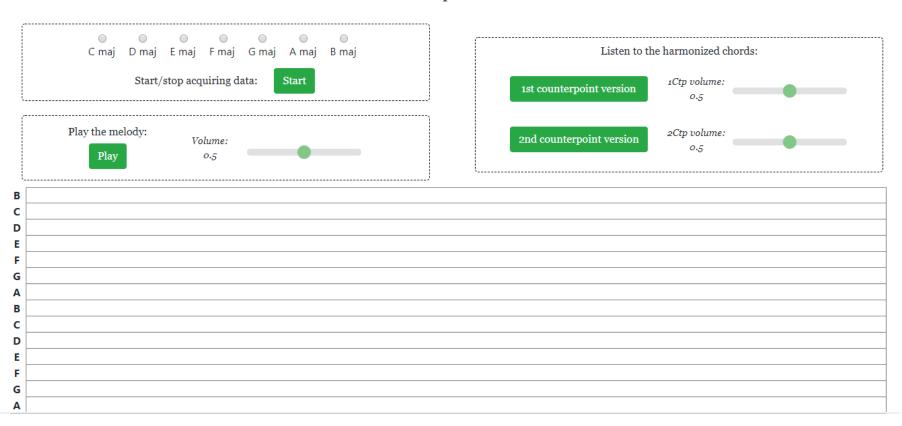
Requirements

•To use the application the user needs to connect a MIDI Keyboard using a serial or virtual port.



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Results

First Species Counterpoint:



Second Species Counterpoint:

