POLITECNICO DI MILANO

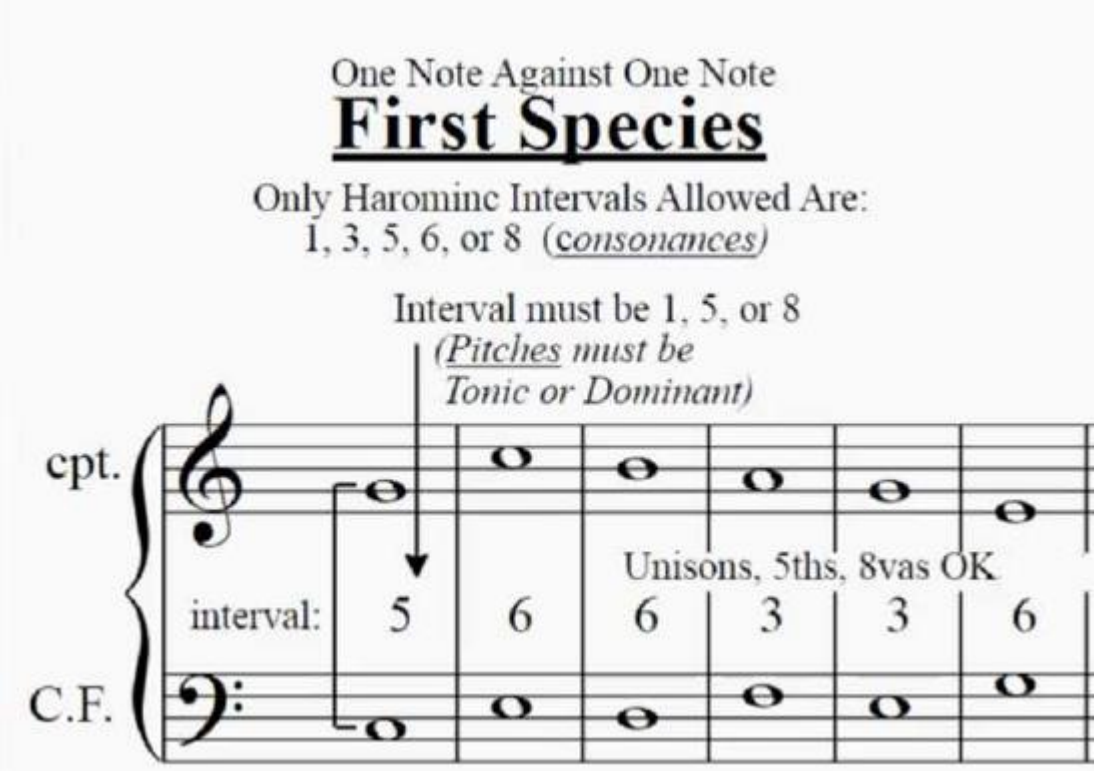
Counterpoint MIDI

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

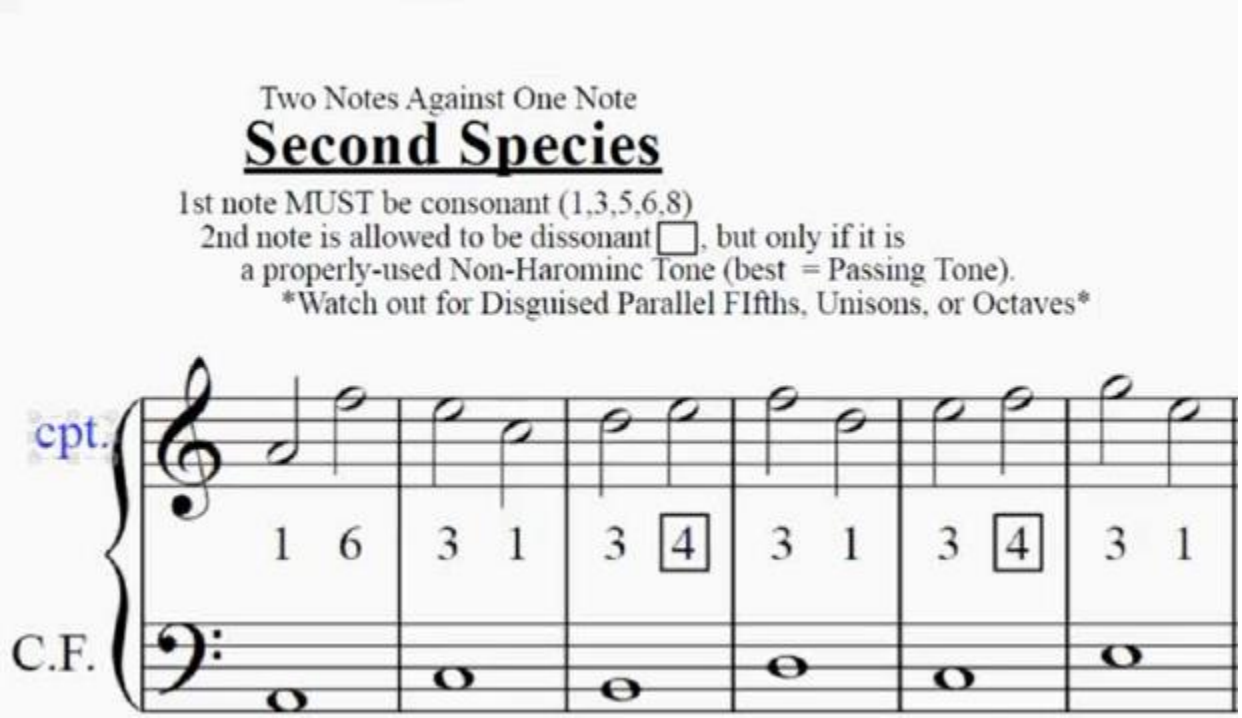
Creating Counterpoint notes

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



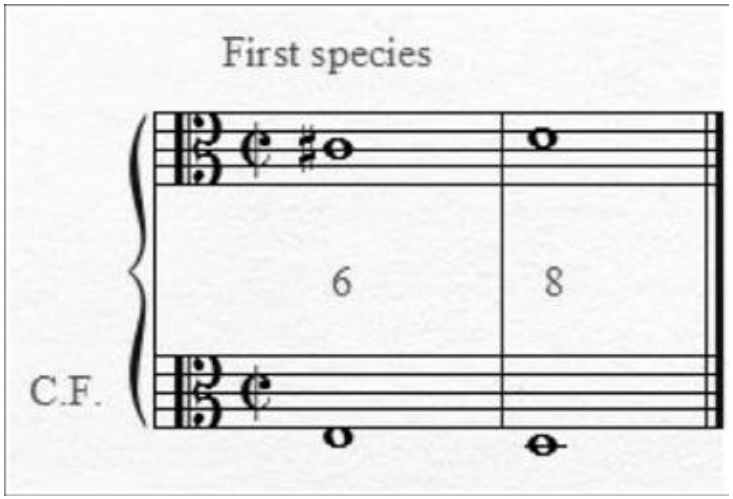
Creating Counterpoint notes

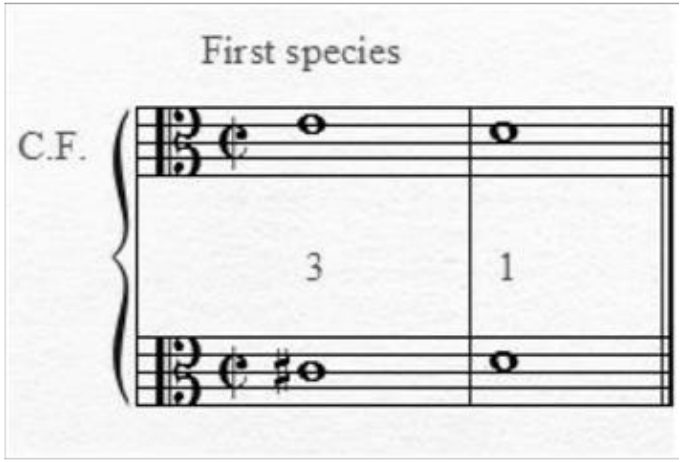
- Notes are generated following First and Second Species Counterpoint rules:



Clausola Vera

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

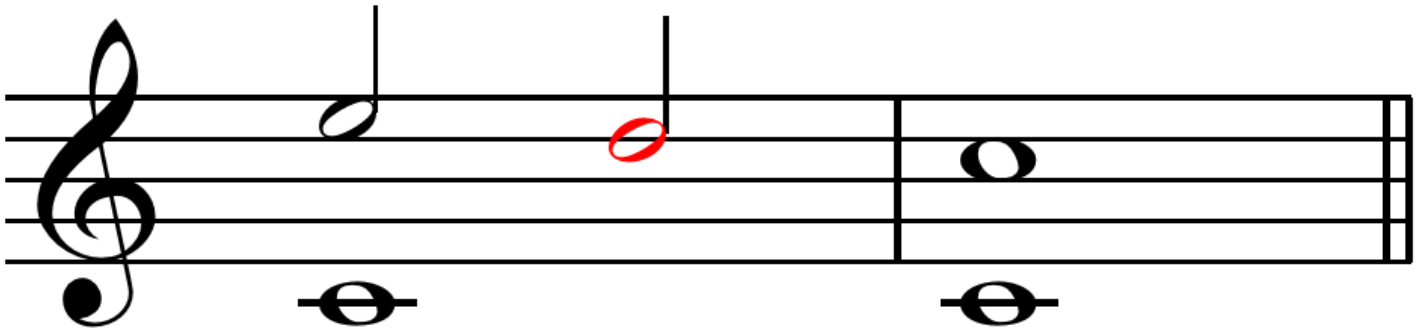




Passing notes

- Dissonant notes generated for the Second Species

Counterpoint lines can only be passing tones filling the interval of a third:



Requirements

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

Main page

CounterpointMIDI

Start/stop acquiring data: Start

Play the melody:

Play

Volume: *0.5*

Listen to the harmonized chords:

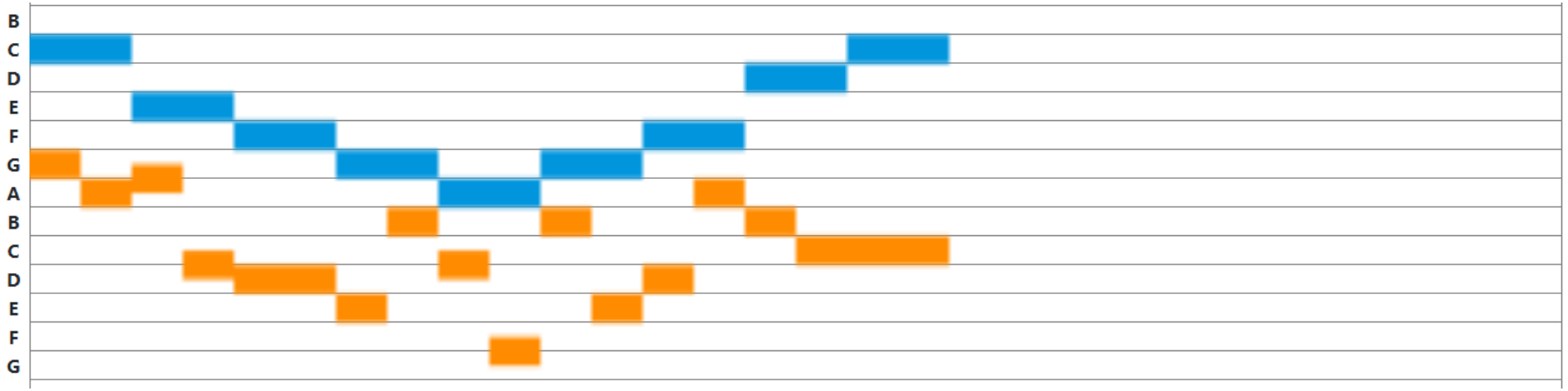
1st counterpoint version

1Ctp volume: *0.5*

2nd counterpoint version

2Ctp volume: *0.5*

Results

First Species Counterpoint:

Second Species Counterpoint: