



Universidade do Porto
Faculdade de Engenharia

FEUP

Singing to Musical Score Transcription

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Summary

- **Context**
- **The Metronome**
- **The Transcription**
- **Algorithm for note choice**



• Context

Main applications

- Help in music learning by giving students practical examples on the musical score, with emphasis on the following areas:
 - Note and silence values;
 - Intervals between notes;
 - Combination of several figures (solfège).
- Singing students can have a visual feedback of the score they sang and compare it to the original one;
- Making composing easy.

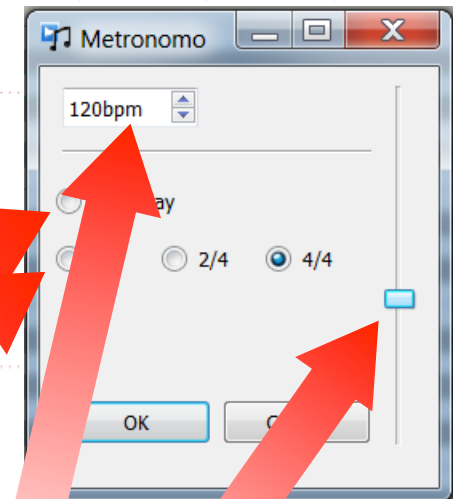
Applications in perspective

- Composing with several instruments.



• The Metronome

- “Metronomo”: contains window and button functions;
- “PlayBeep”: creates thread that plays the sound on the correct timing;



Features:

- Play button;
- Slider and window for easy selection of time value (on bpm);
- Choosing measure types.

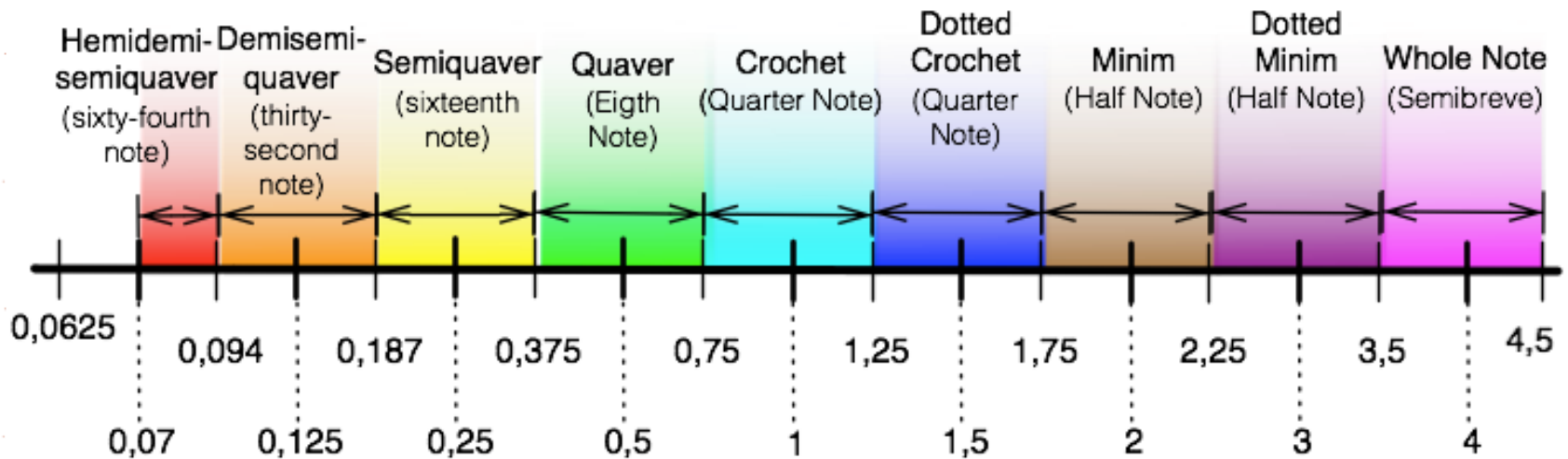


•The transcription



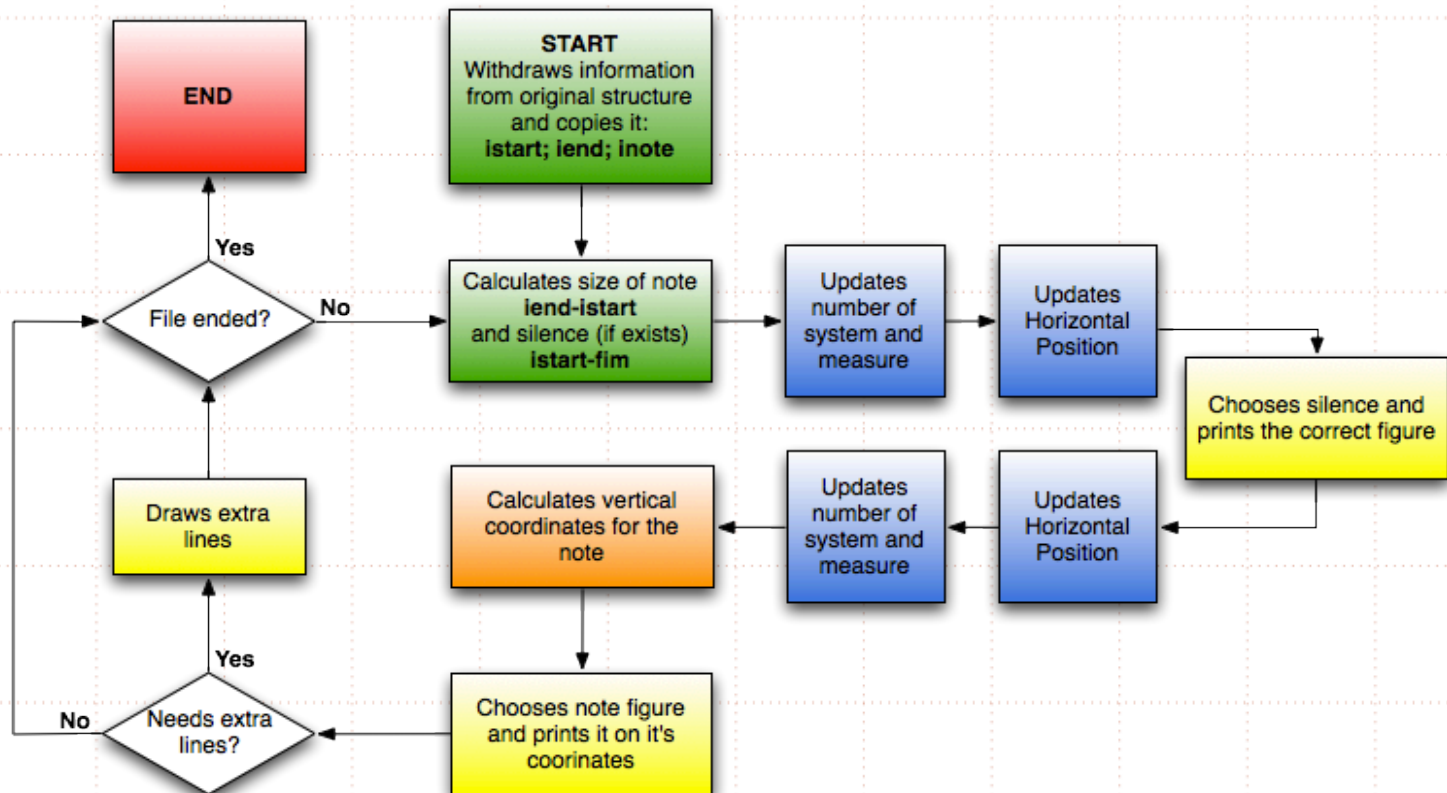


•Algorithm for note selection





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Do You want to try it?