

Visualizing Gestures in the Control of a Digital Musical Instrument

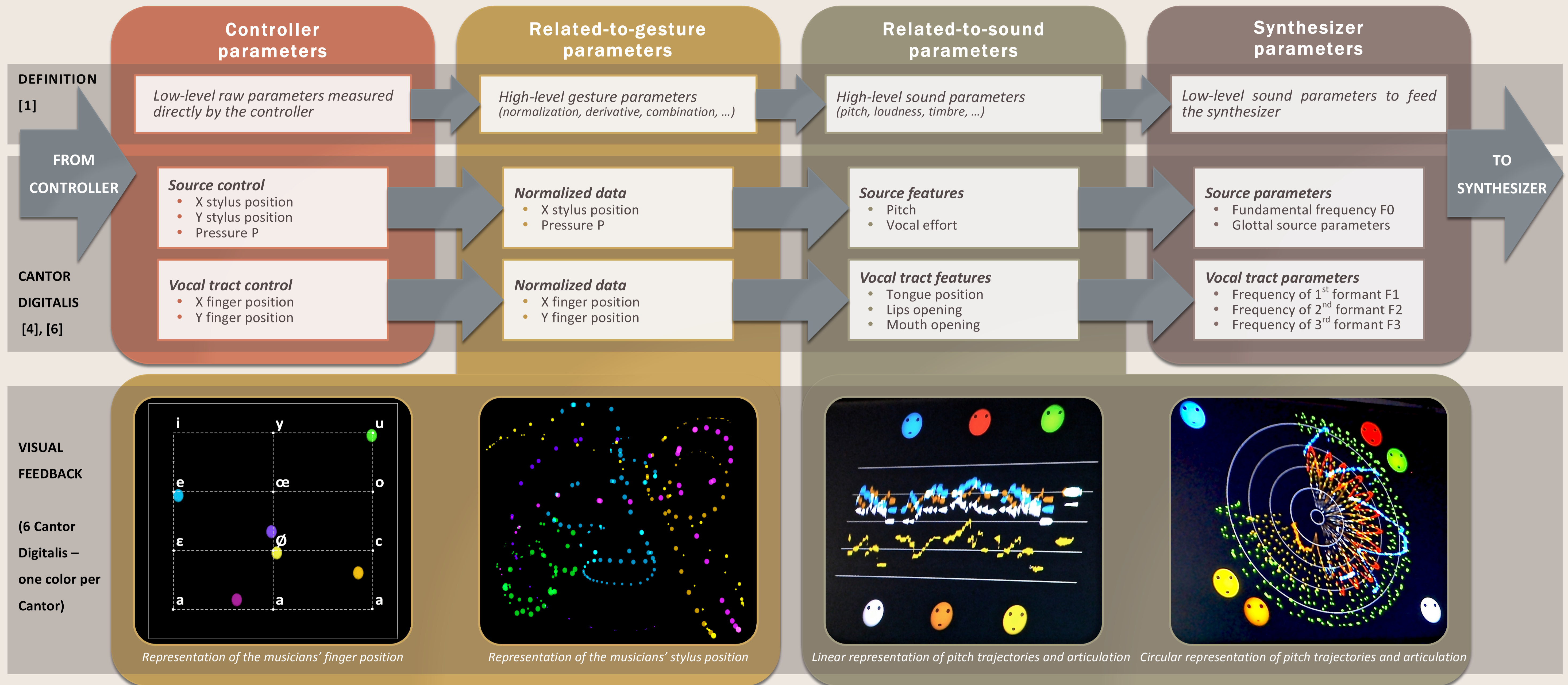
Example of the Cantor Digitalis

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ISSUE: DIGITAL MUSICAL INSTRUMENT + SEVERAL MAPPING LAYERS BETWEEN THE CONTROLLER AND THE SYNTHESIZER = **HOW CAN WE HIGHLIGHT THE INTERACTION BETWEEN GESTURES AND SOUND ?**

- PREVIOUS WORK:**
- VISUALIZATION OF GESTURES [3], [5]
 - VISUALIZATION OF SOUND BUT NO MUSICAL CONTEXT [2], [7]

- IDEA:**
- DECOMPOSE THE DMI'S MAPPING CHAIN IN INDEPENDENT AND MEANINGFUL BLOCKS
 - ADD VISUALIZATION MODULES ON HIGH-LEVEL BLOCKS



Conclusions

- WORK:**
- Identify each block of the mapping chain
 - Visualize high-level parameters
- EVALUATION:**
- Performance with 6 musicians
 - Positive feedbacks
- APPLICATION:**
- Tool for visual composition
- FUTURE WORK:**
- Visualize synthesizer parameters
 - Improve the design

References

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