

# Artistic Research Practices as Inspiration for the Development of Research Tools for Higher Education Music Students

**How can Higher Education Music Students  
develop research tools for their Artistic Research projects?**

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# Jimena Maldonado

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First example of an Artistic Research project:

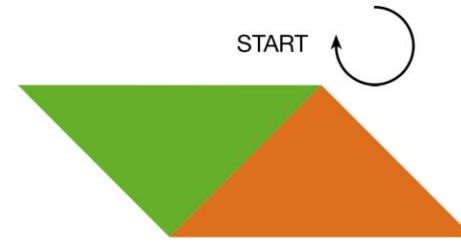
Using visual elements to compose: The impact of notation as a compositional tool and as a way of communicating with players.

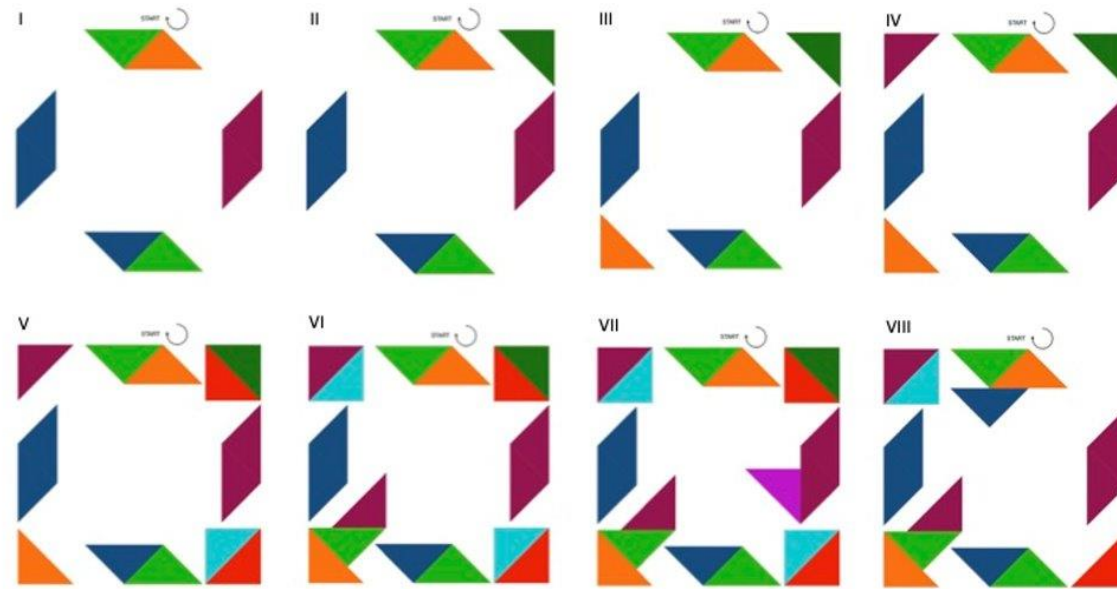
# Challenge/question:

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A score is how we composers communicate with performers, but what happens when an essential aspect of that communication is an image?

Then the decision on how to notate a piece, and how to embed the visual aspect to the score becomes key to the communication with players, and eventually to the performance of the piece.





8 mosaïques

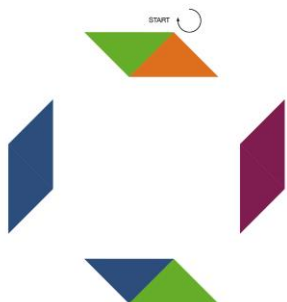
for 2 performers



# First experiment

Score in C

1



2



3



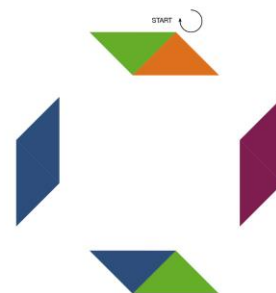
4



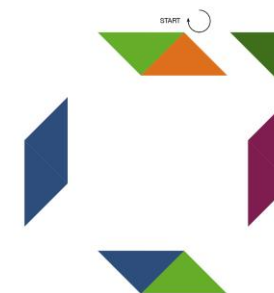
# Second experiment

Guitar

1



2



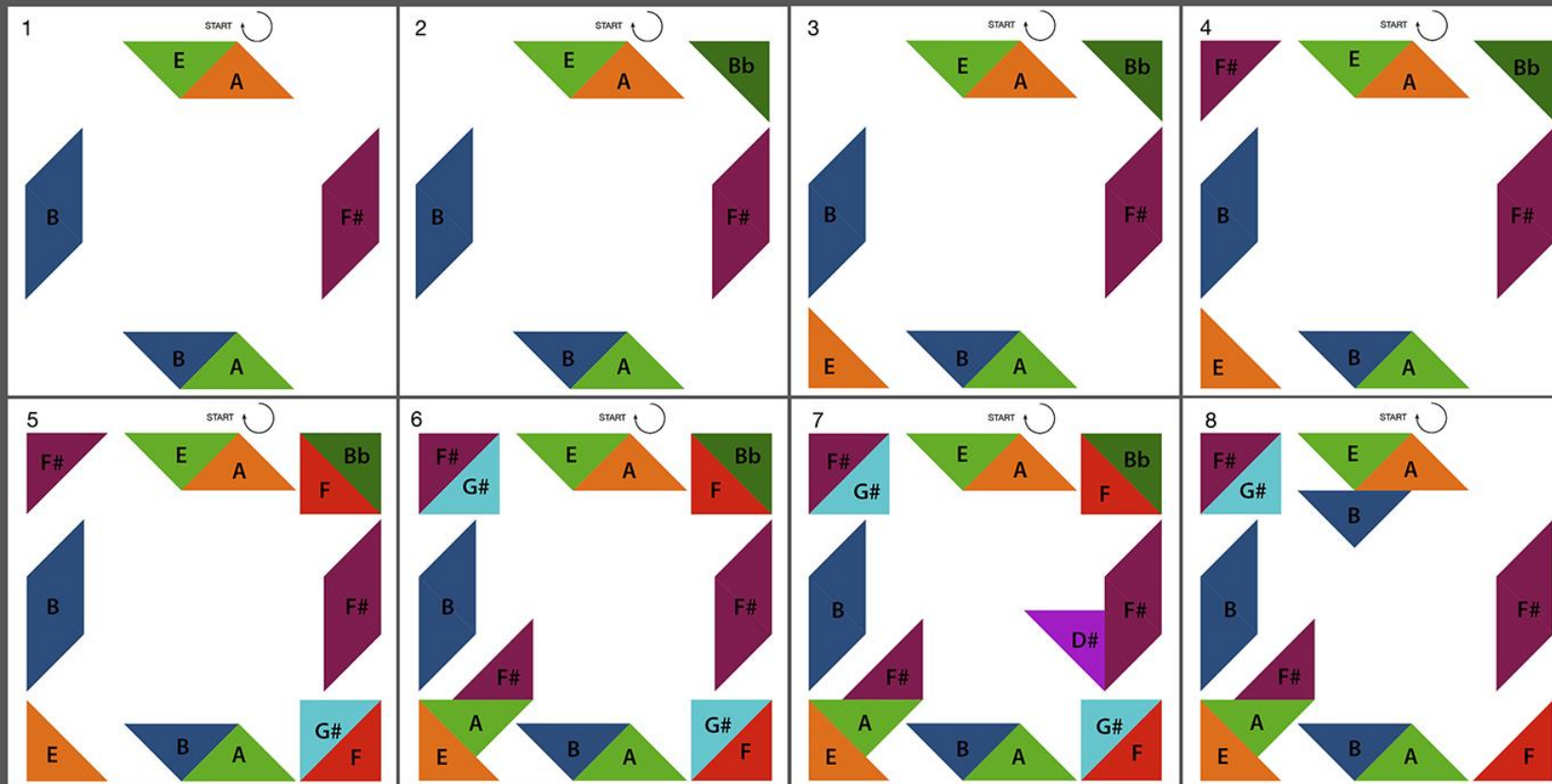
3



4



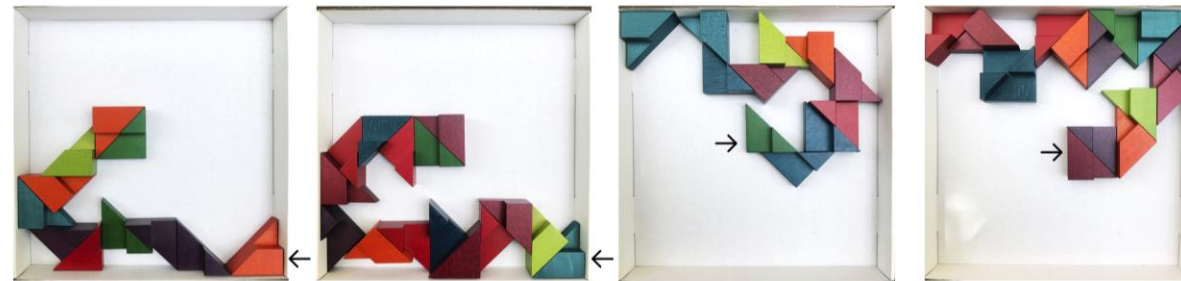
# Final score



Guitar 1:



Guitar 2:



# Mosaic no. 2

for 2 electric guitars

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# Original score

♩=63

Guitar 1

Gtr 1

Gtr 1

Gtr 1

Gtr 1

Guitar 2

Gtr 2

Gtr 2

Gtr 2





## Mosaic No. 2

♩=60

Jimena Maldonado

Electric Guitar I

Electric Guitar II

E. Gtr. I

E. Gtr. II

E. Gtr. I

E. Gtr. II

E. Gtr. I

E. Gtr. II

E. Gtr. I

E. Gtr. II

Detailed description of the musical score: The score is for 'Mosaic No. 2' by Jimena Maldonado, in 4/4 time with a tempo of ♩=60. It is arranged for two electric guitars. The first system (measures 1-6) shows Electric Guitar I playing a series of eighth-note chords (D, G, G, D, G, D) while Electric Guitar II provides a bass line of half notes. The second system (measures 7-13) features Electric Guitar I playing a rhythmic pattern of eighth notes and Electric Guitar II playing a complex pattern of eighth notes and triplets. The third system (measures 14-18) continues with similar patterns, including some rests. The fourth system (measures 19-22) shows Electric Guitar I playing eighth-note chords and Electric Guitar II playing a bass line of half notes.

# Some conclusions

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- Different approaches of notation as compositional tool
- Chapter about interaction with performers (performers' visual involvement)
- All experiments are useful (even 'failed' ones)



# Dennis Braunsdorf

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2nd AR project:

Composing with flexible phrases: The impact of a newly designed digital musical instrument upon composing western popular music.



# Conclusions

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- Students need to see examples of AR for inspiration
- Exploration important
- Various approaches may be used, depending on
  - Artistic context
  - Aims
  - Personal skills and preferences