Converging into a final artifact

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Next iteration

Converging into a final artifact

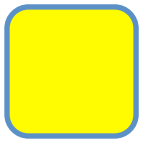
Styling

Main topics

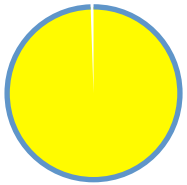
- Finalizing the design
- Discuss design styling & styling for digital fabrication
- Review of online 3D printing and prototyping services
- Detailed review on several examples

The design process: critique, intuition, and skills

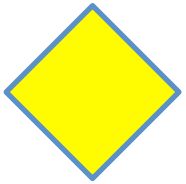
Requirements & constraints



The modeling process



The output product



The design process: critique, intuition, and skills

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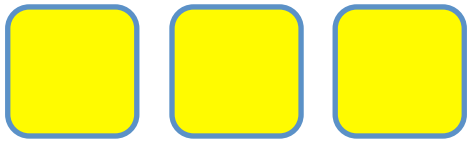
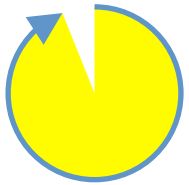


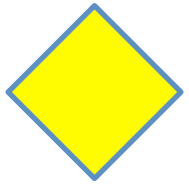
- Prioritizing

The modeling process



- Search
- Implementation
- Evaluation

The output product



- Mockups & prototypes
- Rendering
- Working model / product

The design process: critique, intuition, and skills

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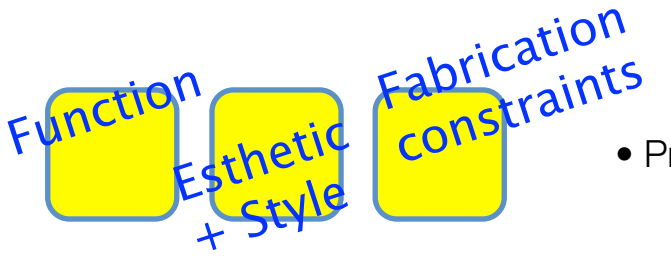

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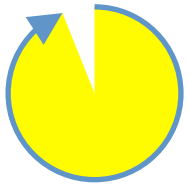

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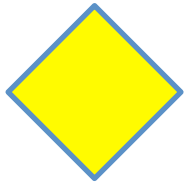

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The design process: critique, intuition, and skills

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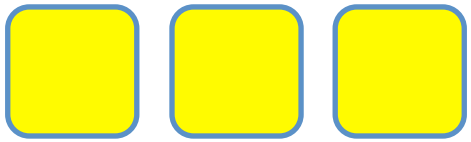

- Prioritizing

The modeling process

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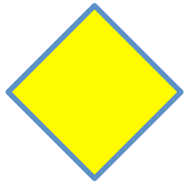

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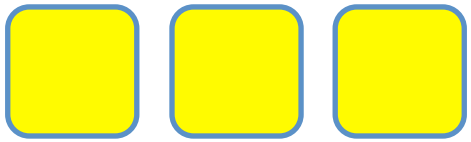

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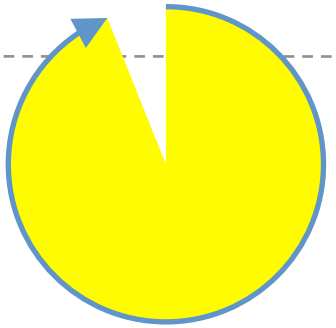

The modeling process

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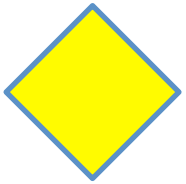

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The design process: critique, intuition, and skills

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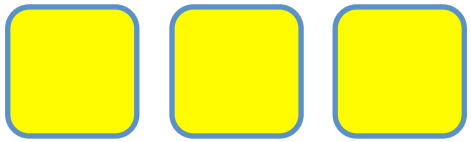

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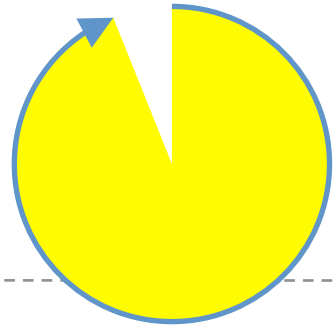

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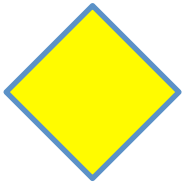

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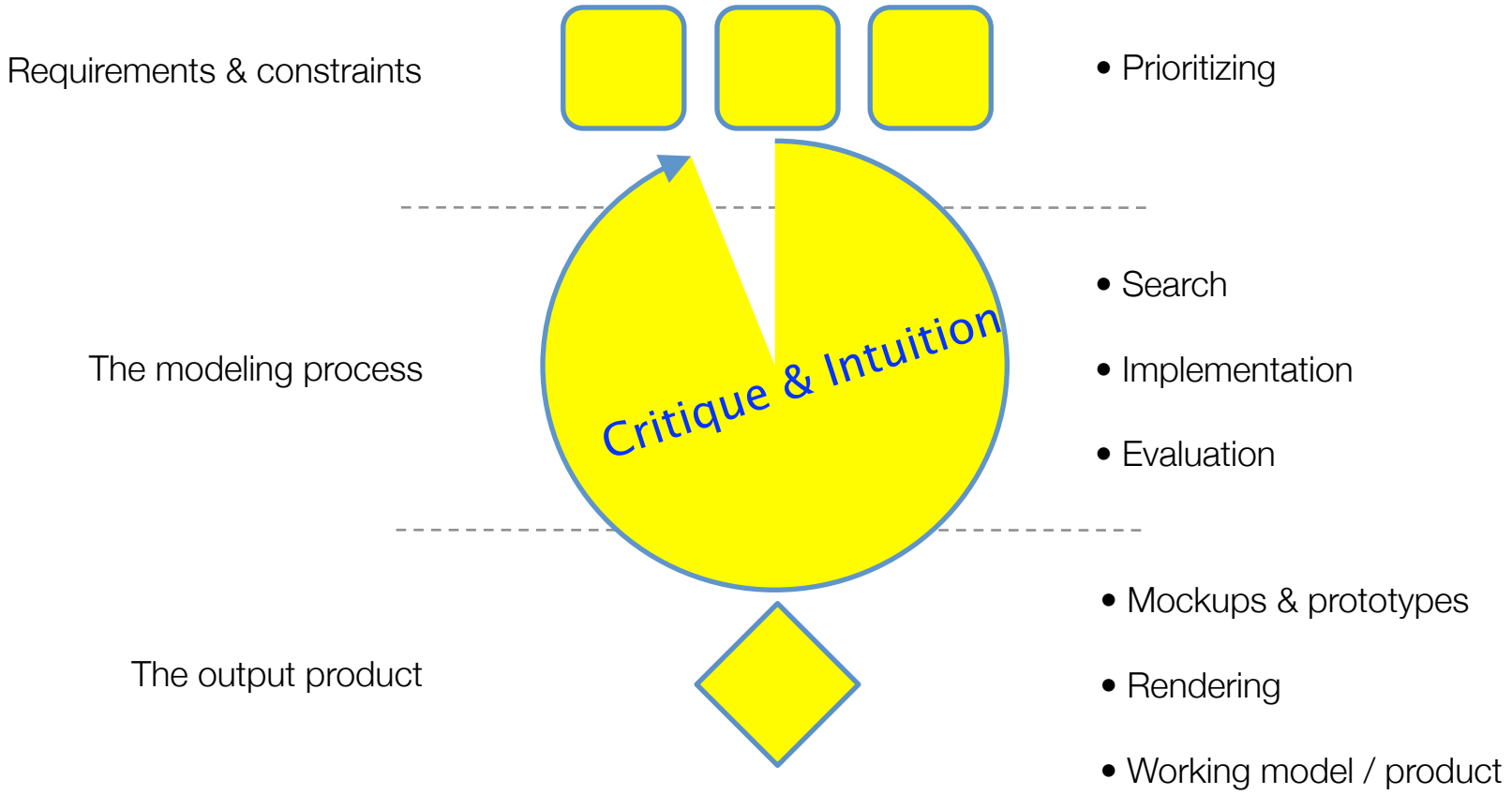
The design process: critique, intuition, and skills



The design process: critique, intuition, and skills

Requirements & constraints

- Prioritizing

The modeling process

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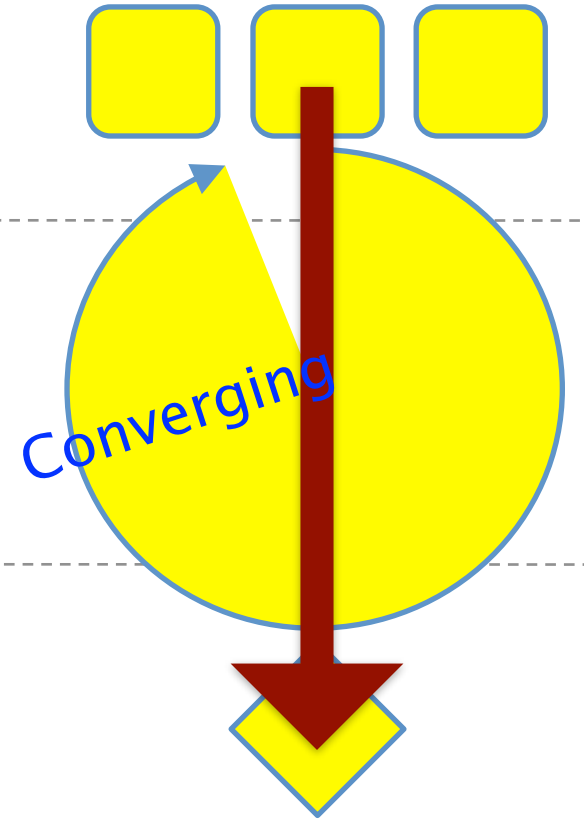

The output product

- Mockups & prototypes
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Styling: giving style to our design

- Designer – user communication channel
- Intertwined with other design processes
- Visual character:

    - Belonging
    - Cultural & historical context
    - Economic & social context

David Schultz's bike, Porsche "next design challenge" competition

David Schultz's bike, Porsche "next design challenge" competition

Evan Knudsen's P9 chair, Porsche "next design challenge"

Styling: practice

- Inventor – designer - stylist
- Styling as form of maintenance
- Styling as form of competition
- Breakthrough

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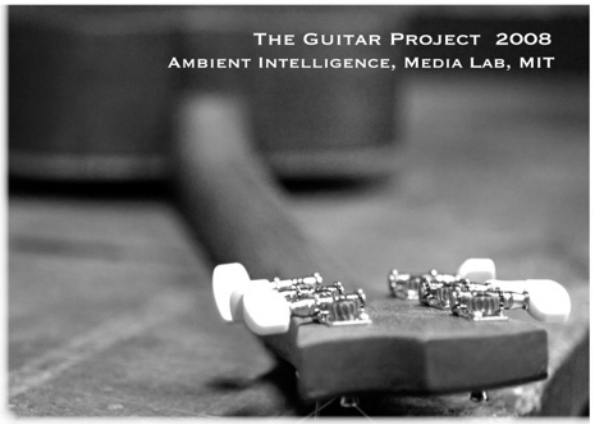
Styling: practice

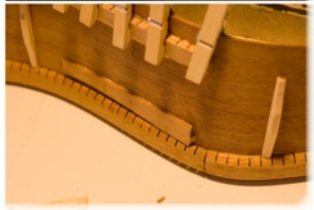
Concept design: electric motorcycle by Frog design

Styling: looking for balance

- Form follows function
- Or… function follows form
- Proportions – line vs. volume, symmetry, rhythm, shapes
- Details – connectors, functional elements
- Colors

neocraft


The Guitar Project 2008
Ambient Intelligence, Media Lab, MIT



Review:
The Chameleon Guitar

- 0^{th} prototype

Review:
The Chameleon Guitar

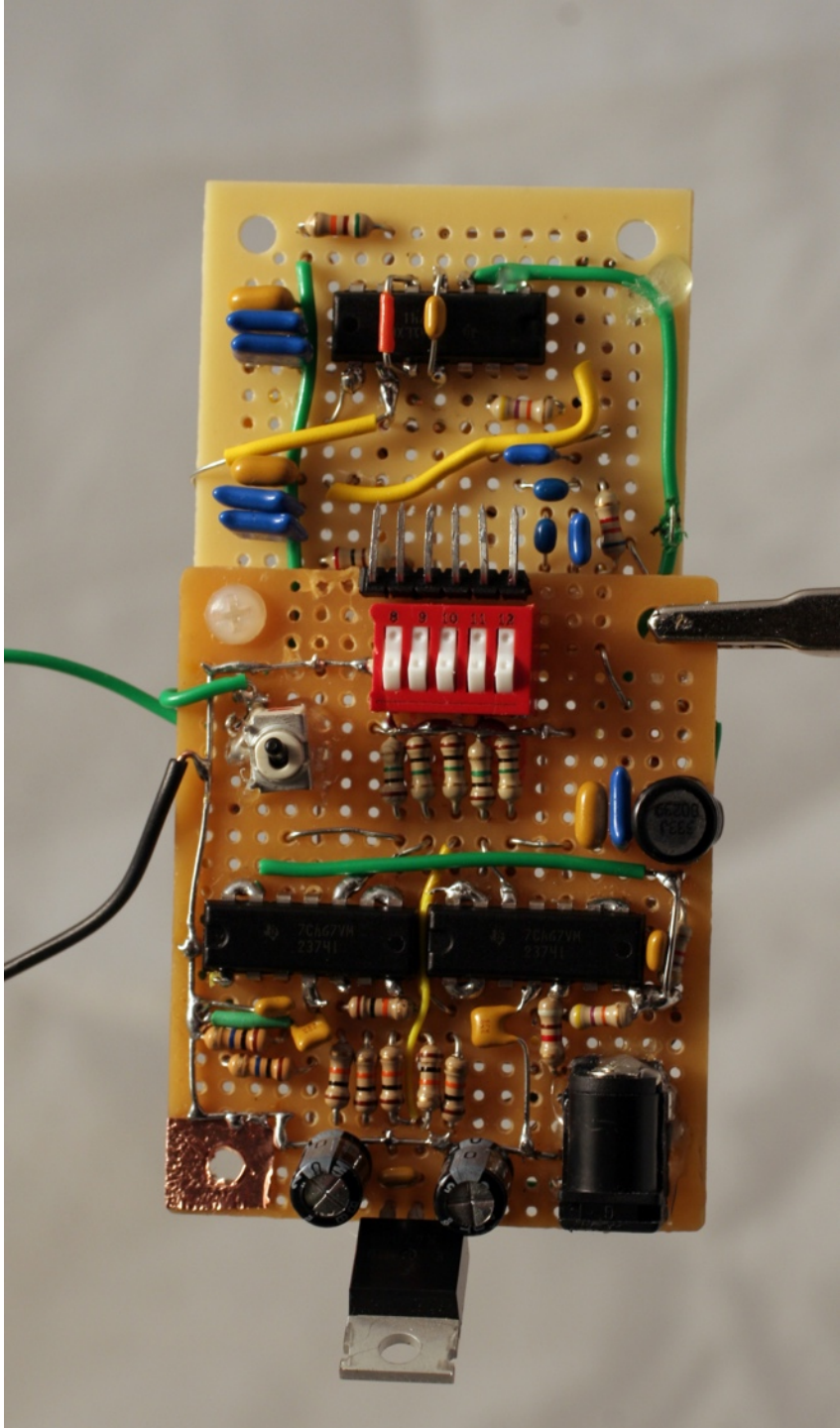
- Exploration

Review:
The Chameleon Guitar

- 1st prototype

Review:
The Chameleon Guitar

- 1st prototype



Review:
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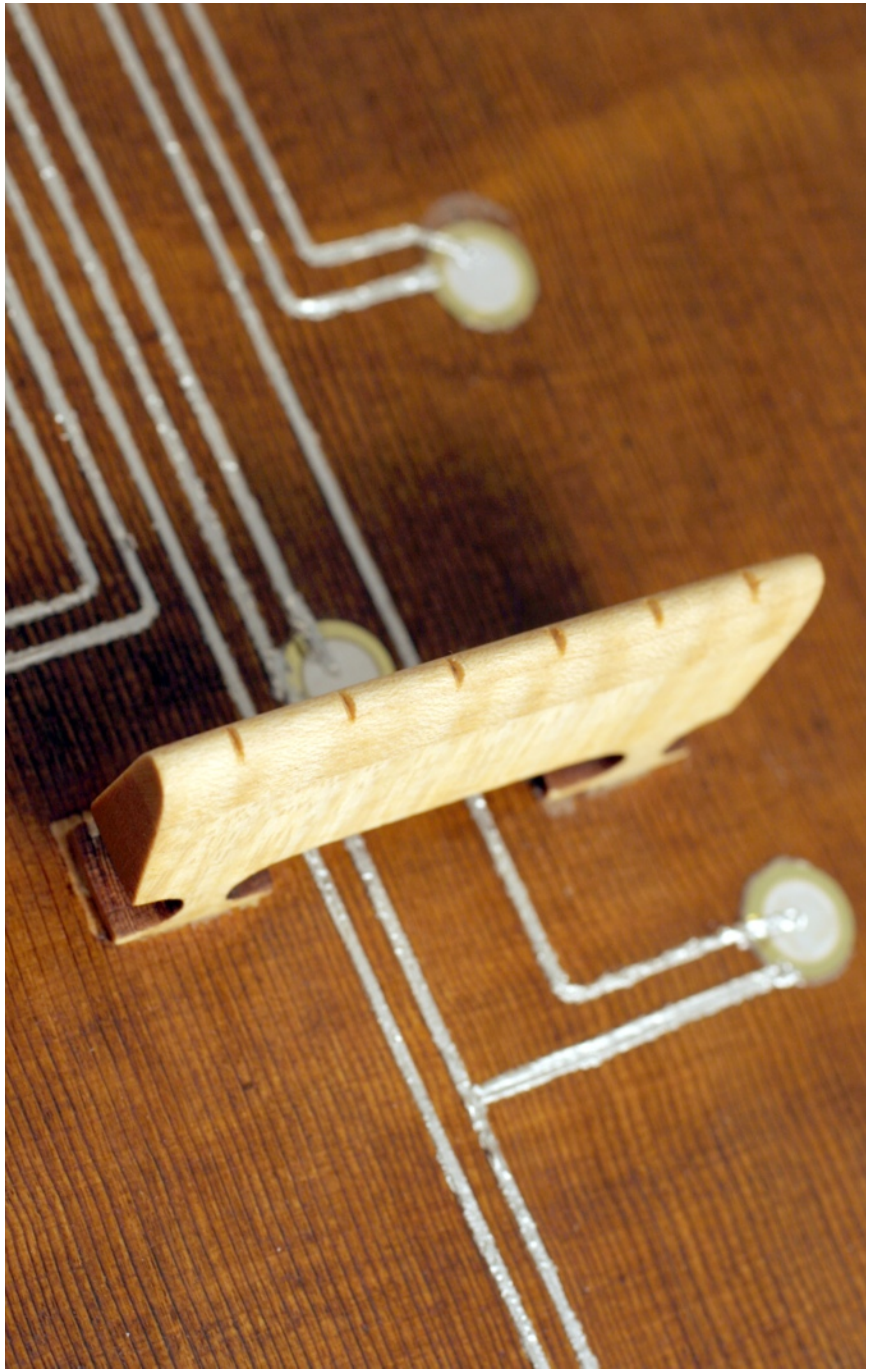
- 1st prototype



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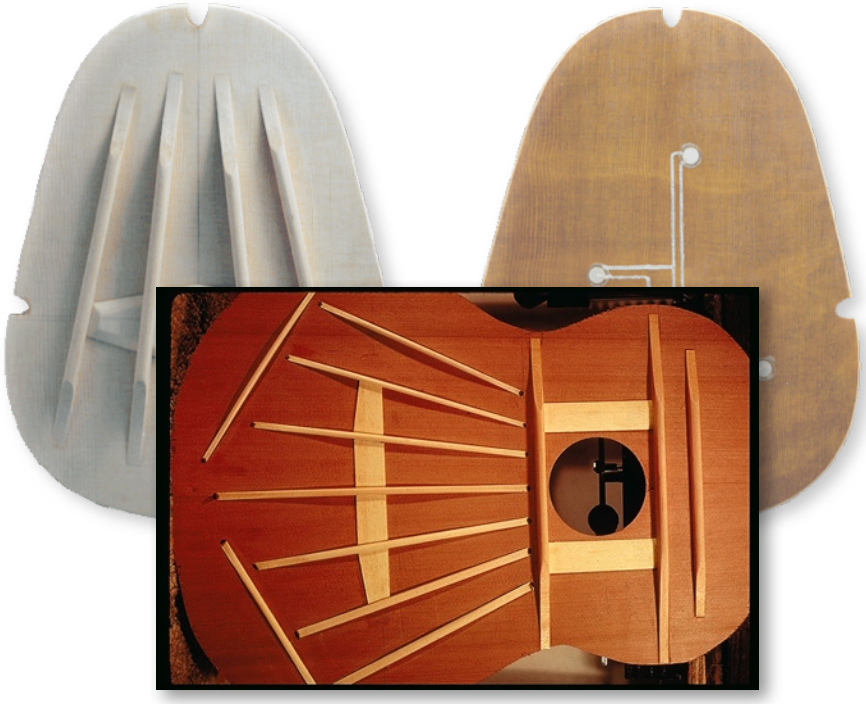
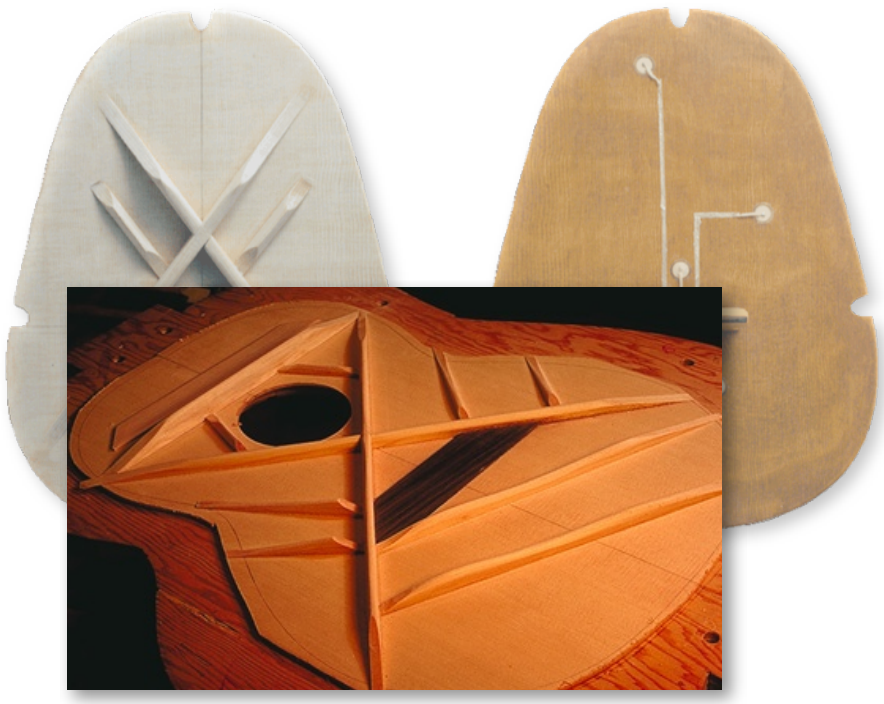




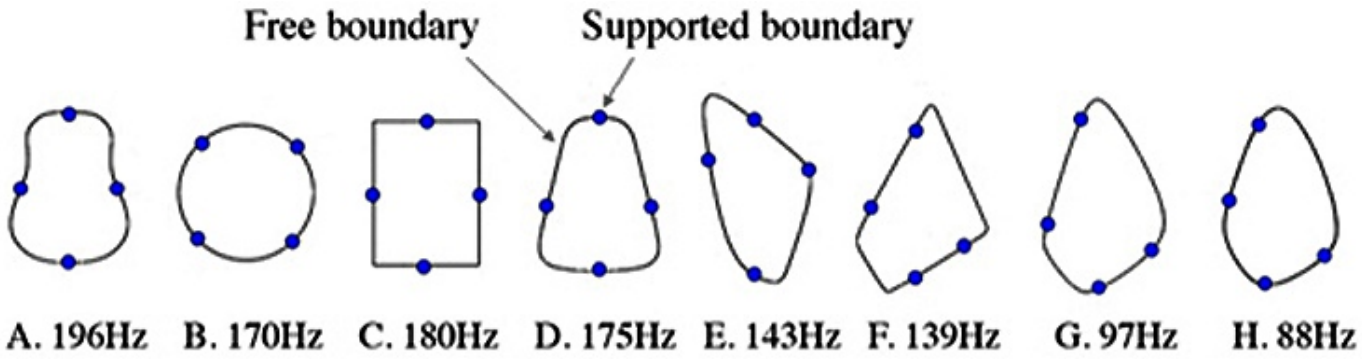
Top Guitar Bracing by Shel Sax
community.middlebury.edu/~sax/

Review:
The Chameleon Guitar

Sound Examples

Review:
The Chameleon Guitar

- Science – resonator design & sensor positioning



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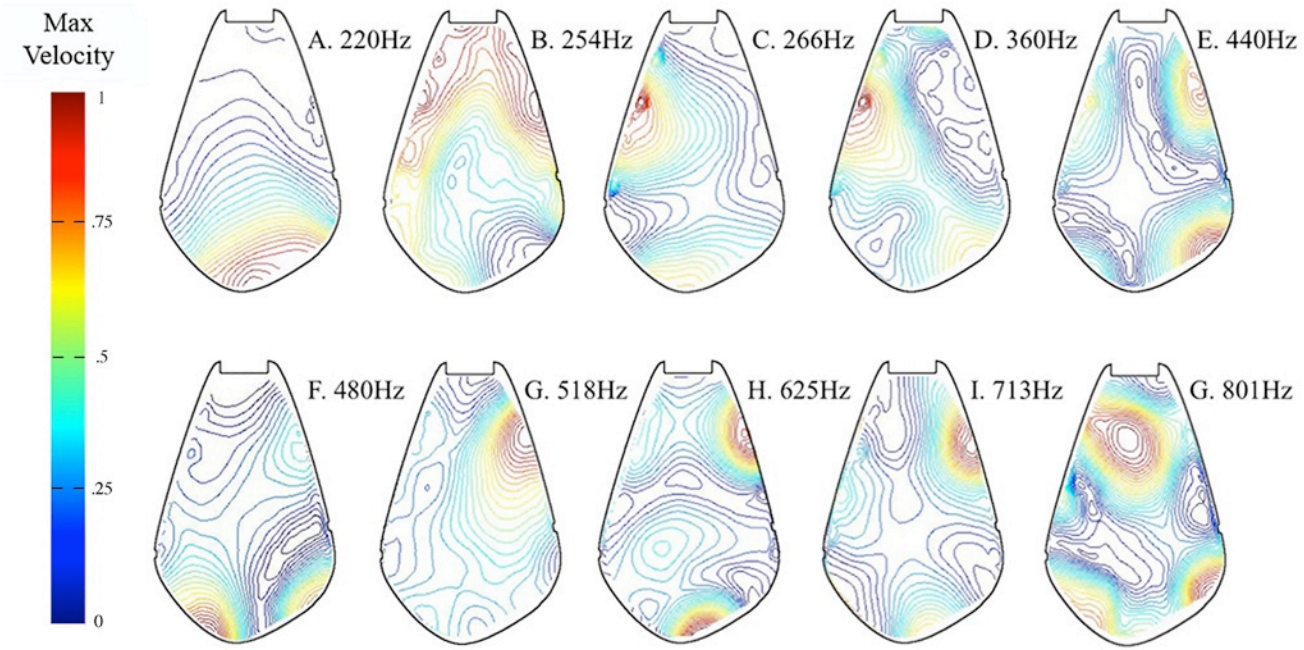
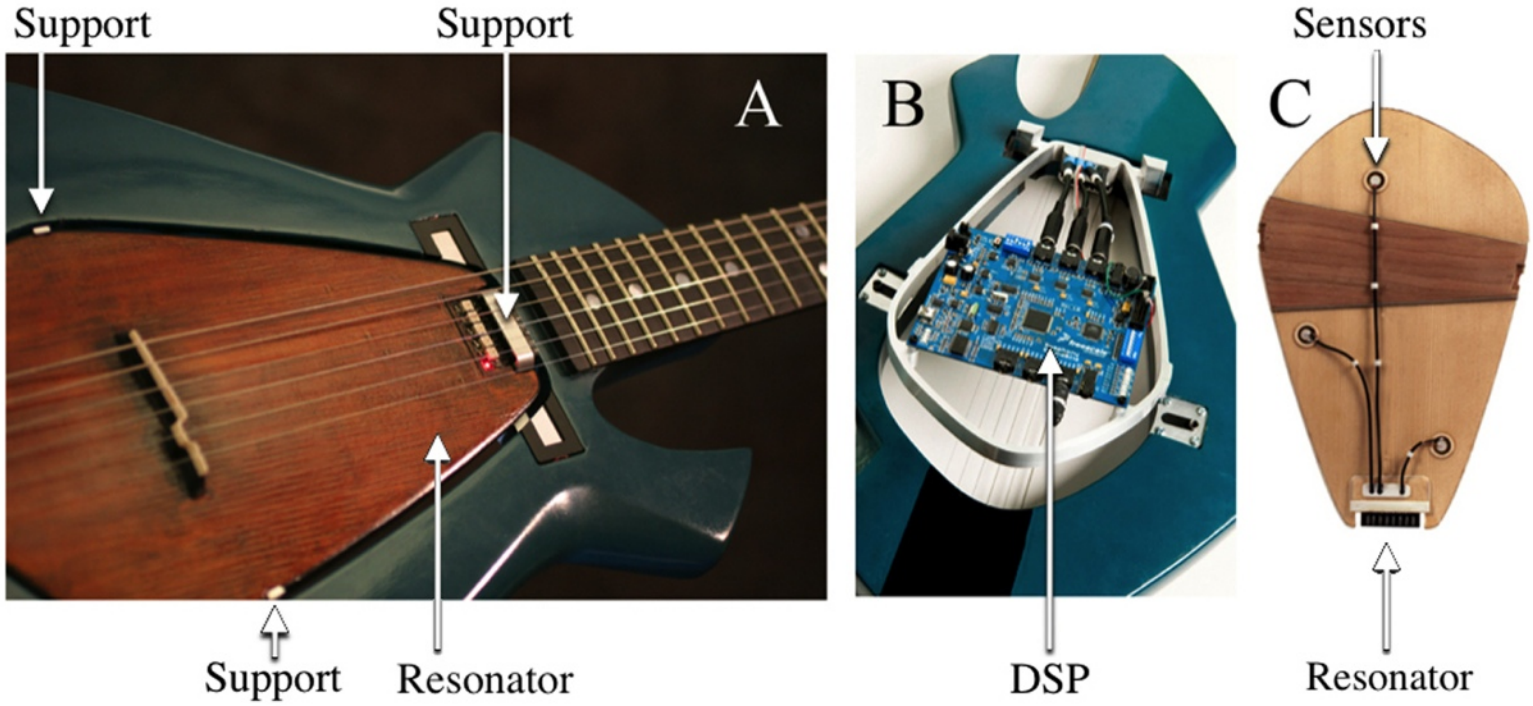


Review:
The Chameleon Guitar

- Science – resonator design & sensor positioning

Review:
The Chameleon Guitar

- 2nd prototype



Review:
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- 2nd prototype: resonators

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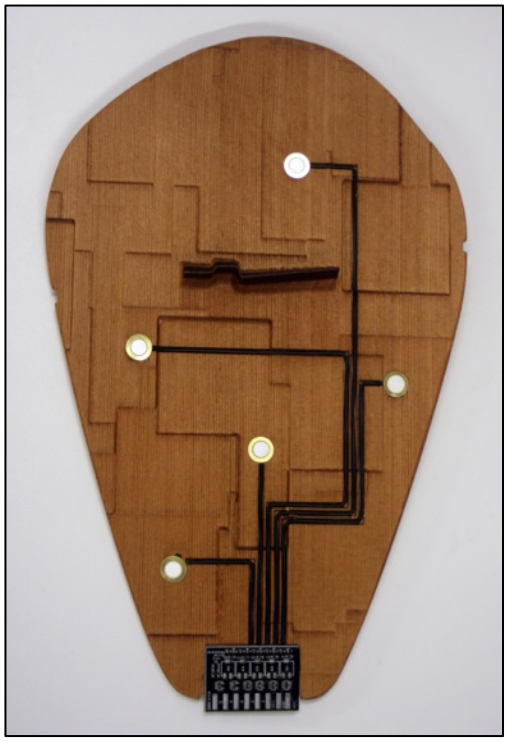
- 2nd prototype: resonators



Review:
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- 2nd prototype: resonators

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The Chameleon Guitar

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Review:
The Chameleon Guitar

- 2nd prototype: resonators

1

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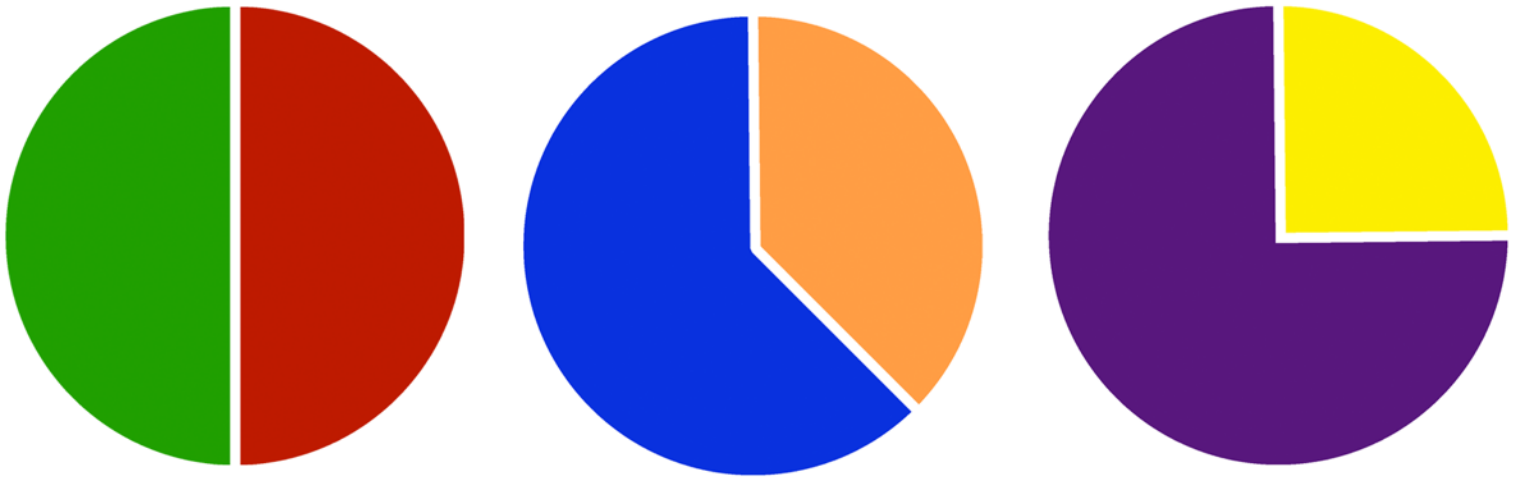
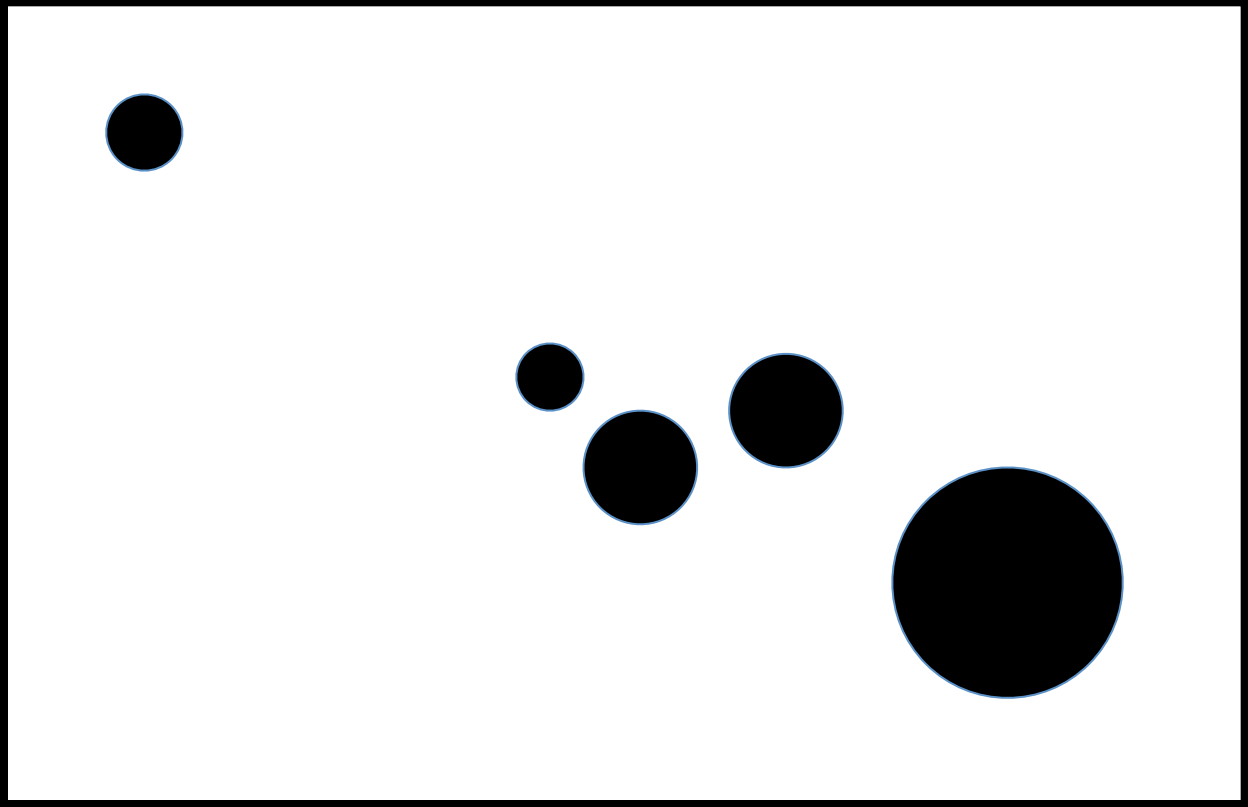
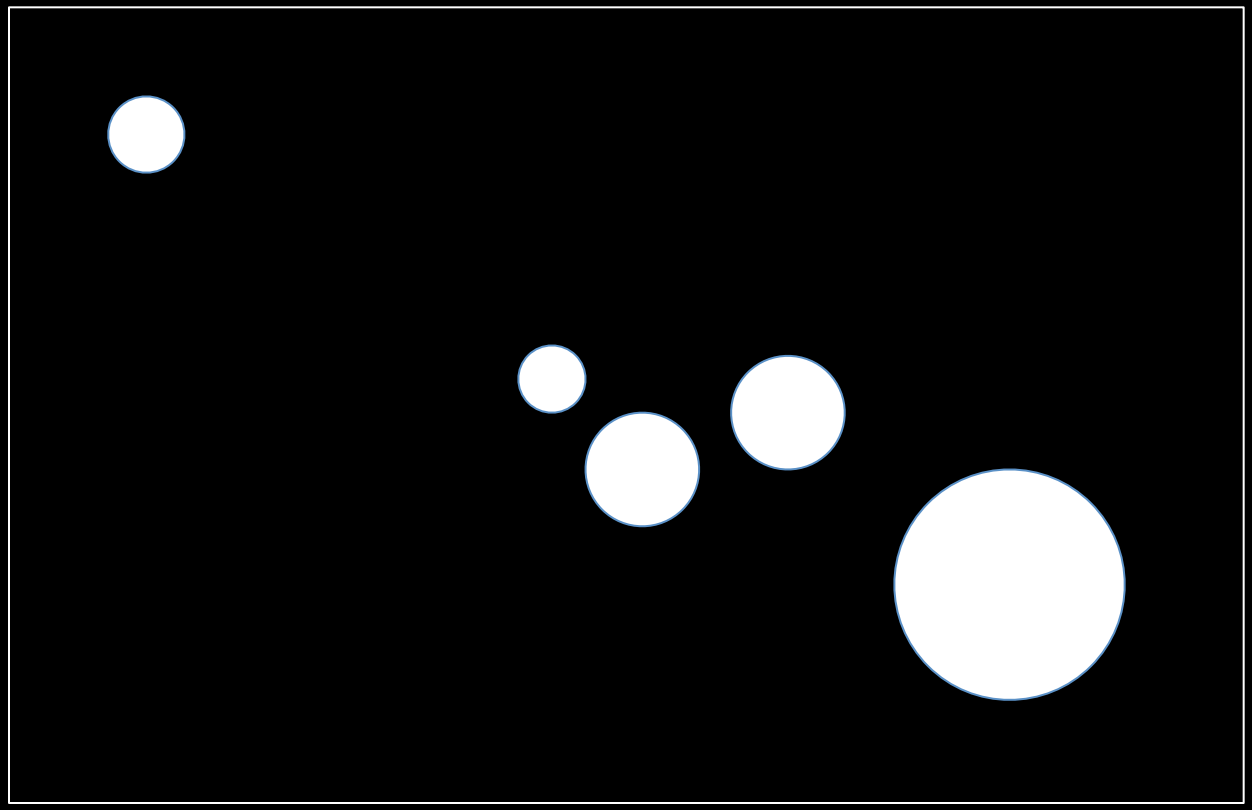
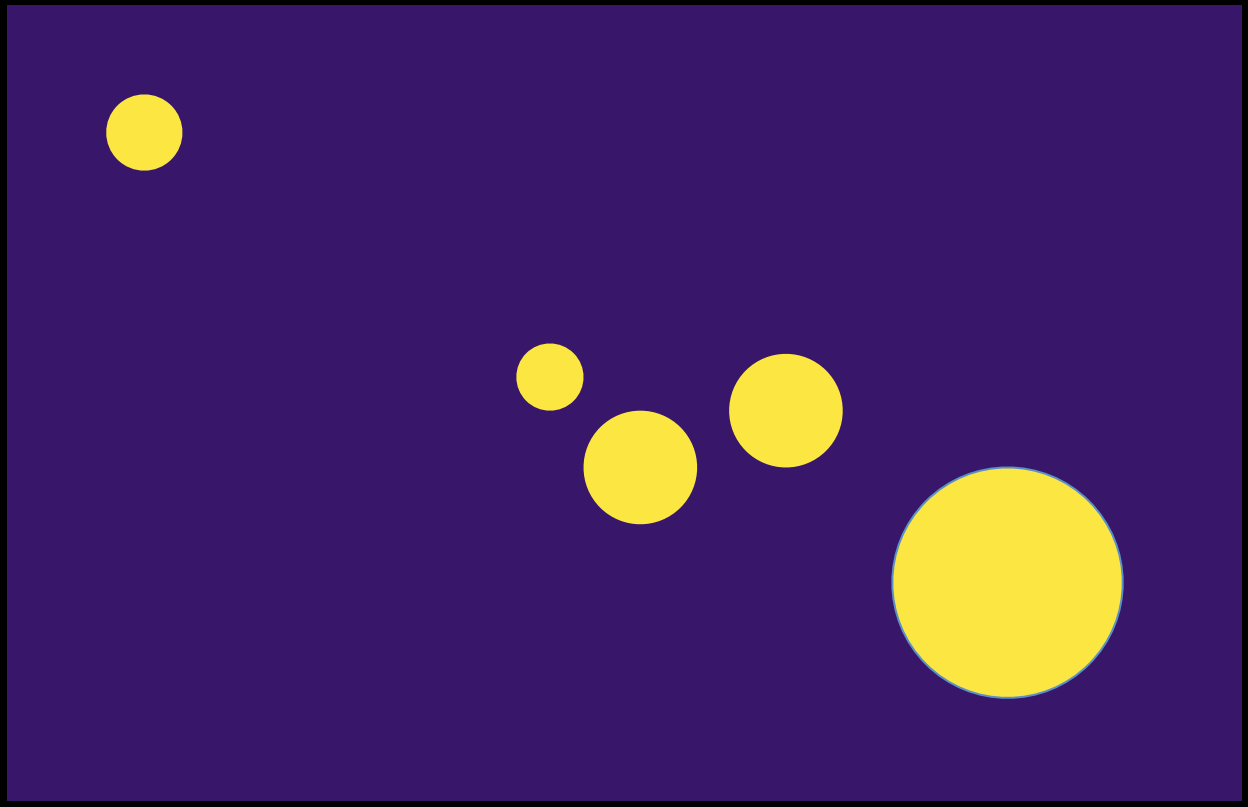
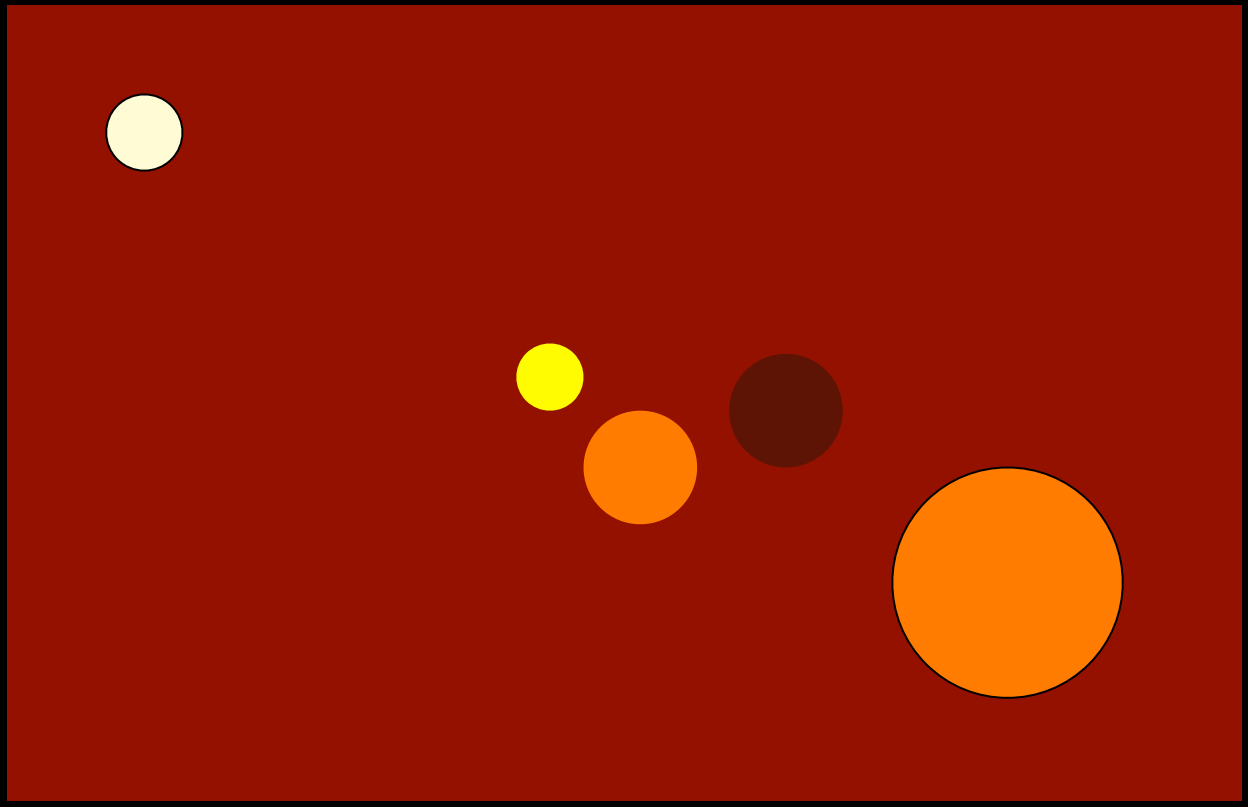
Review:
The Chameleon Guitar

- 3rd prototype

Styling: colors