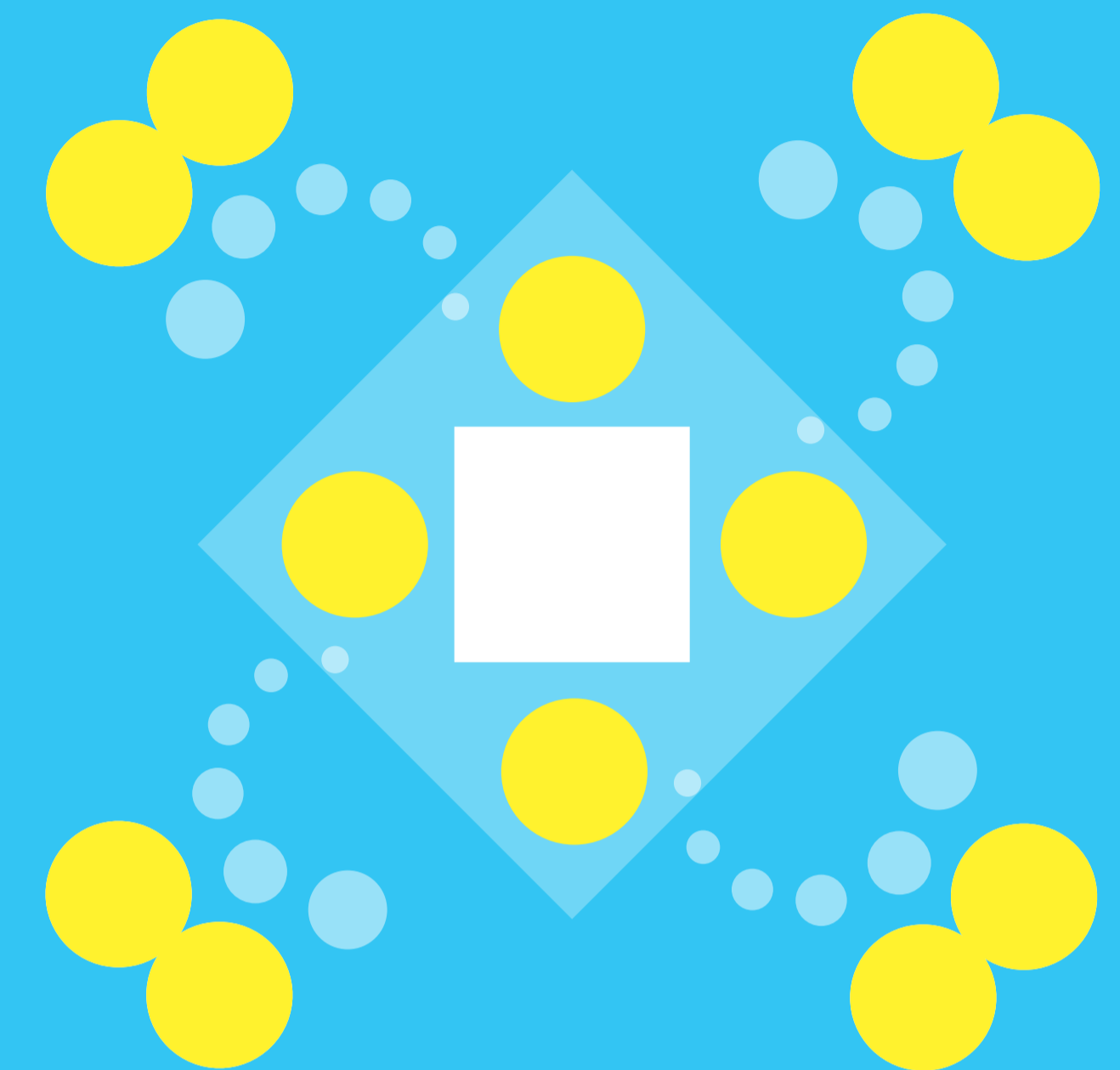
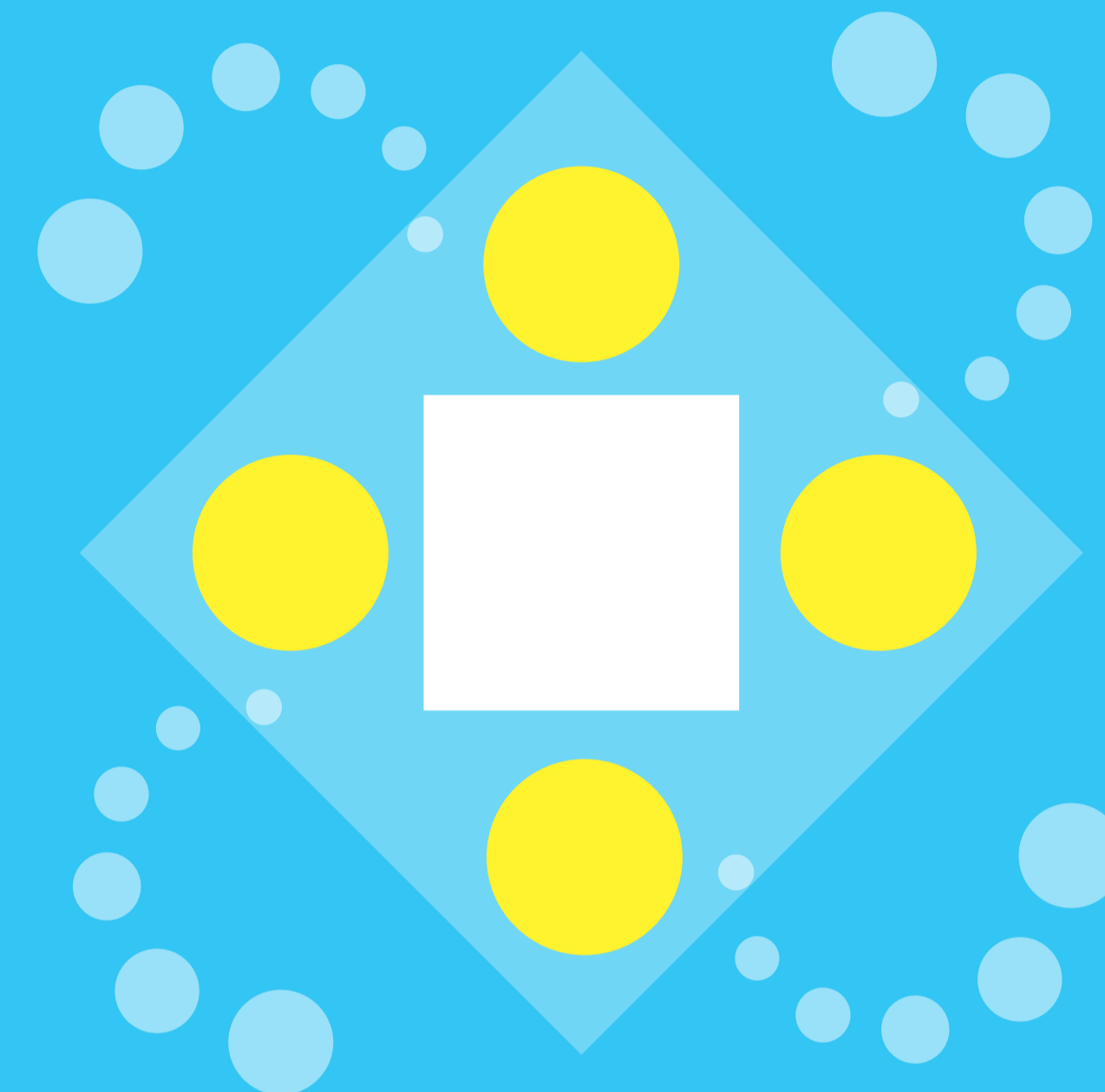
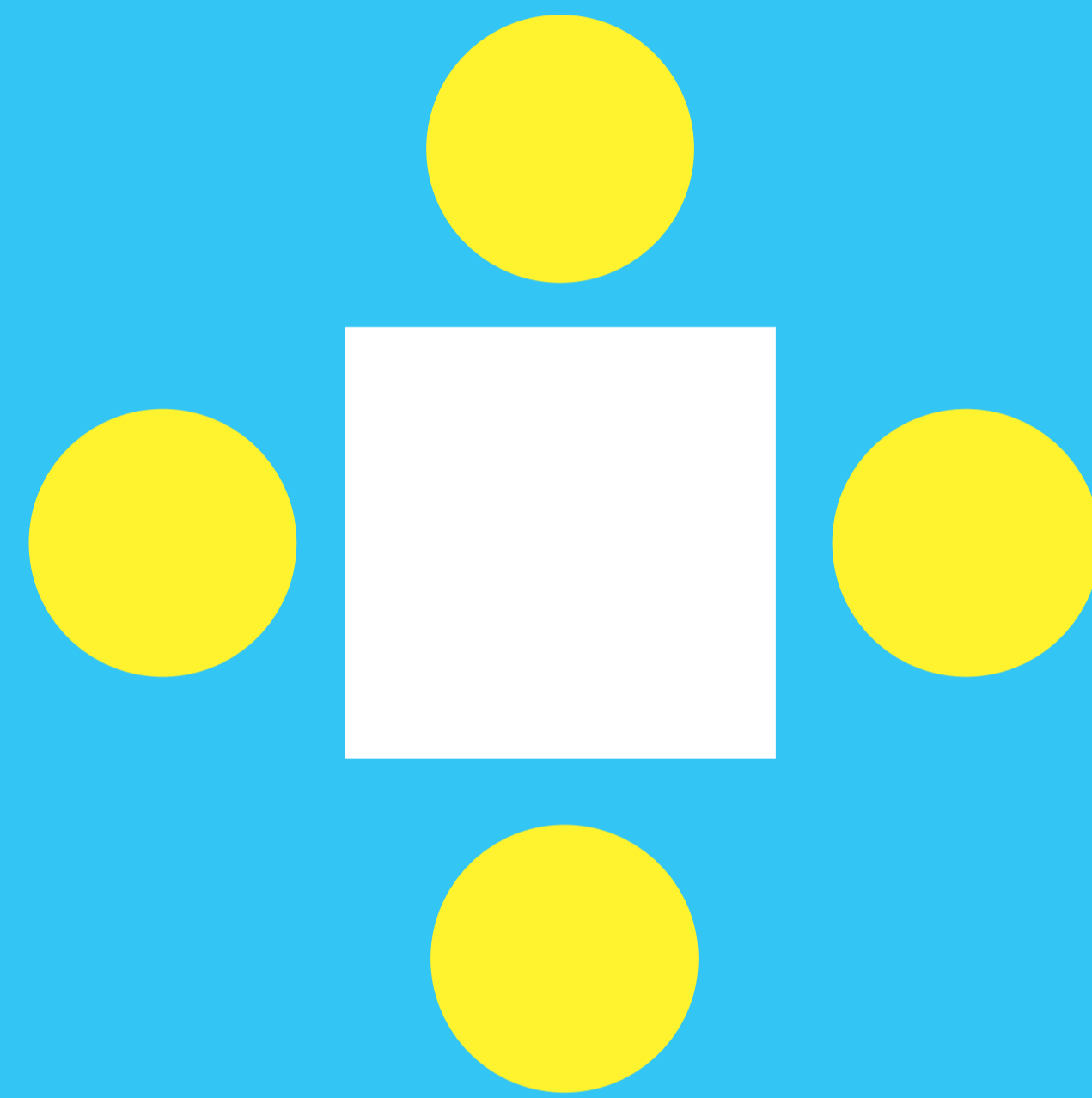


# DESIGNING AND EVALUATING INTERACTIVE SYSTEMS: MUSICAL TABLETOPS FOR COLLECTIVE MUSIC PERFORMANCE

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■ Musical tabletop

● Musician

◆ Collaboration  
● Music

●● Observers / audience

## Musical tabletops

- A musical tabletop is a tabletop interactive environment.
- Musical tabletops allow users to create, play, edit, browse or share music and/or sounds.
- Musical tabletops are usually designed targeting novices, or experts, or both.

## Collaboration

- Musical tabletops are an ideal environment for collaboration:
  - 1) digital information can be directly manipulated and shared.
  - 2) embodied interaction is possible.
  - 3) social interaction is possible.

## Musical engagement

- Why only a little number of musical tabletops support collaboration?
- Can the design choices we make... support better collaboration?
- ...engage both novices and experts?
- ...enhance collective musical engagement?

## Understanding musical interaction

- Analysis of interaction on collective music performance.
- Interaction analysis methods (e.g. video analysis, field notes, interviews, questionnaires).
- Results will inform how to support collaboration with musical tabletops.