

Referents

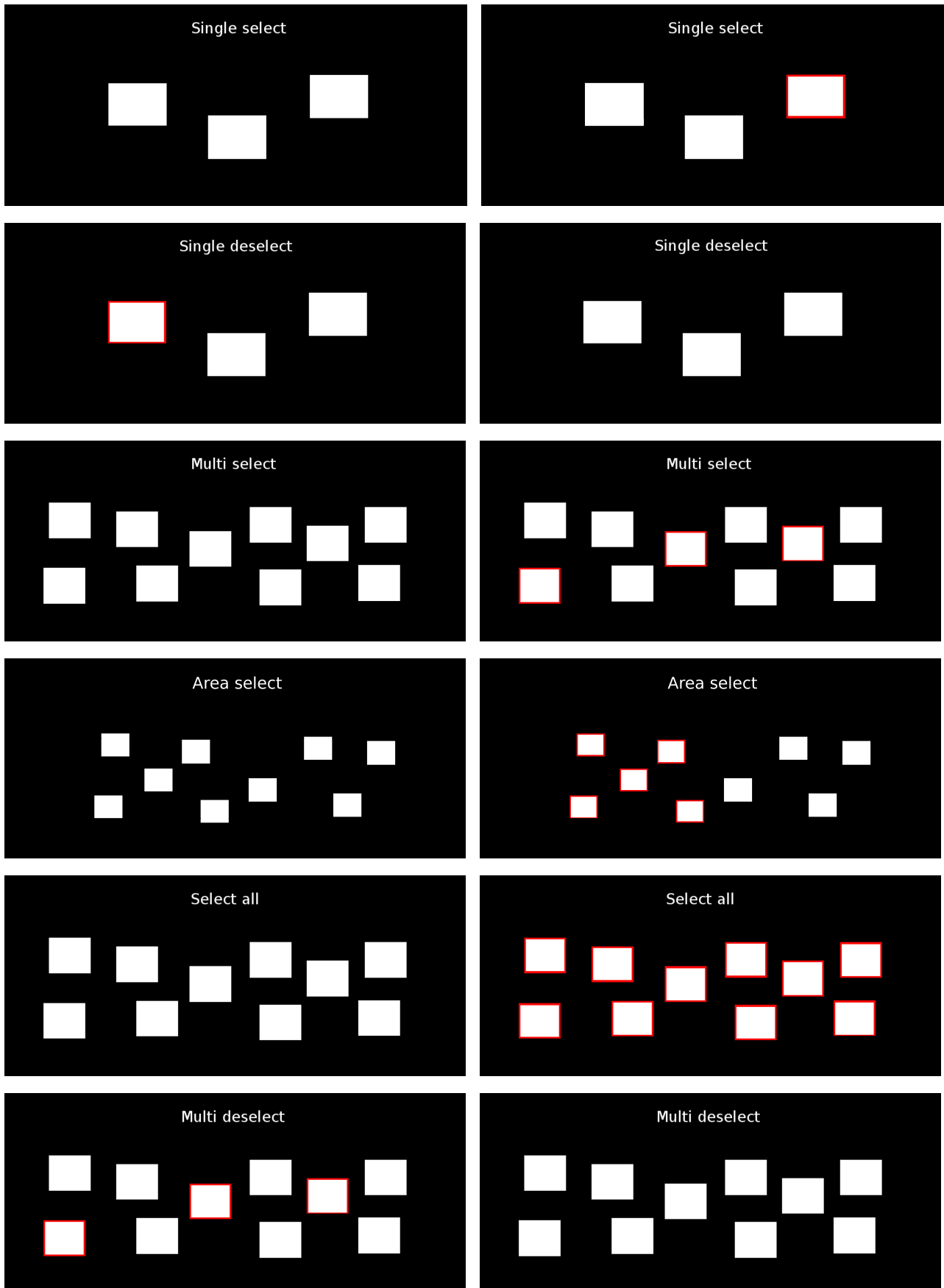
This document contains the referents used in the study that the article Eliciting Mid-Air Gestures for Wall-Display Interaction is based on. Referents are shown as a beginning and ending state, leaving out any intermediate states for simplicities sake. The video referents are shown as the first and last frame the participants were presented with.

Referents are grouped based on the same groupings used in the article, *Selection*, *Element Manipulation*, *Environment Manipulation*, *Video Manipulation* and *Collection Navigation*.

A red outline means that an object is selected.

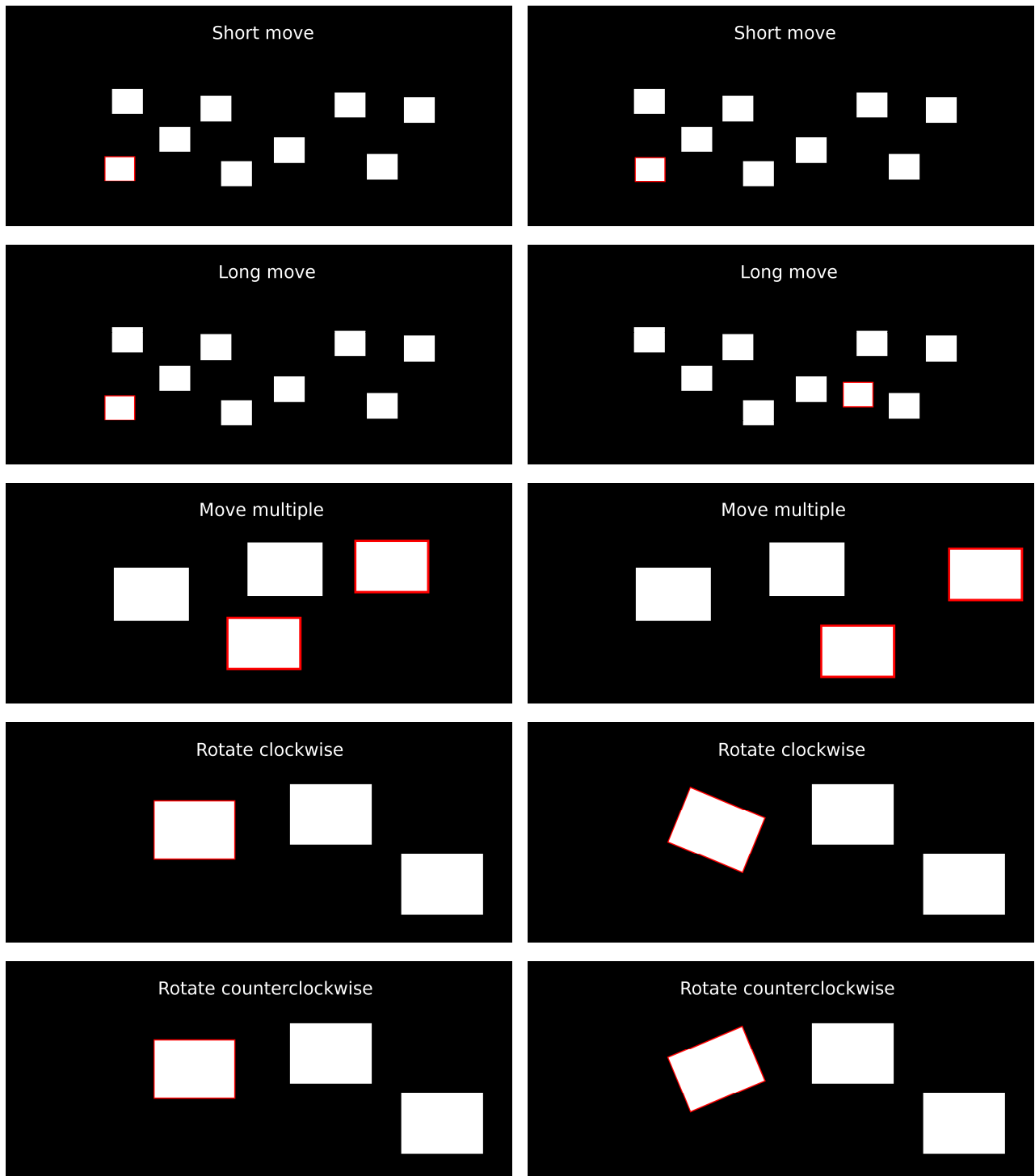
Selection referents

The selection referents group contains referents for selecting or deselecting elements.



Element Manipulation

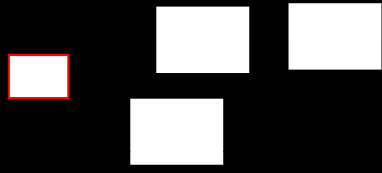
The element manipulation group contains referents that deal with manipulating elements, such as moving, rotating or enlarging elements.



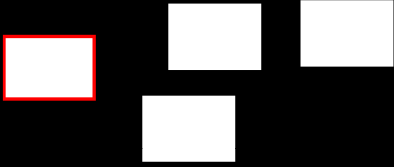
Shrink element



Shrink element



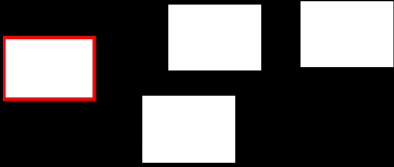
Enlarge element



Enlarge element



Delete element



Delete element



Duplicate element

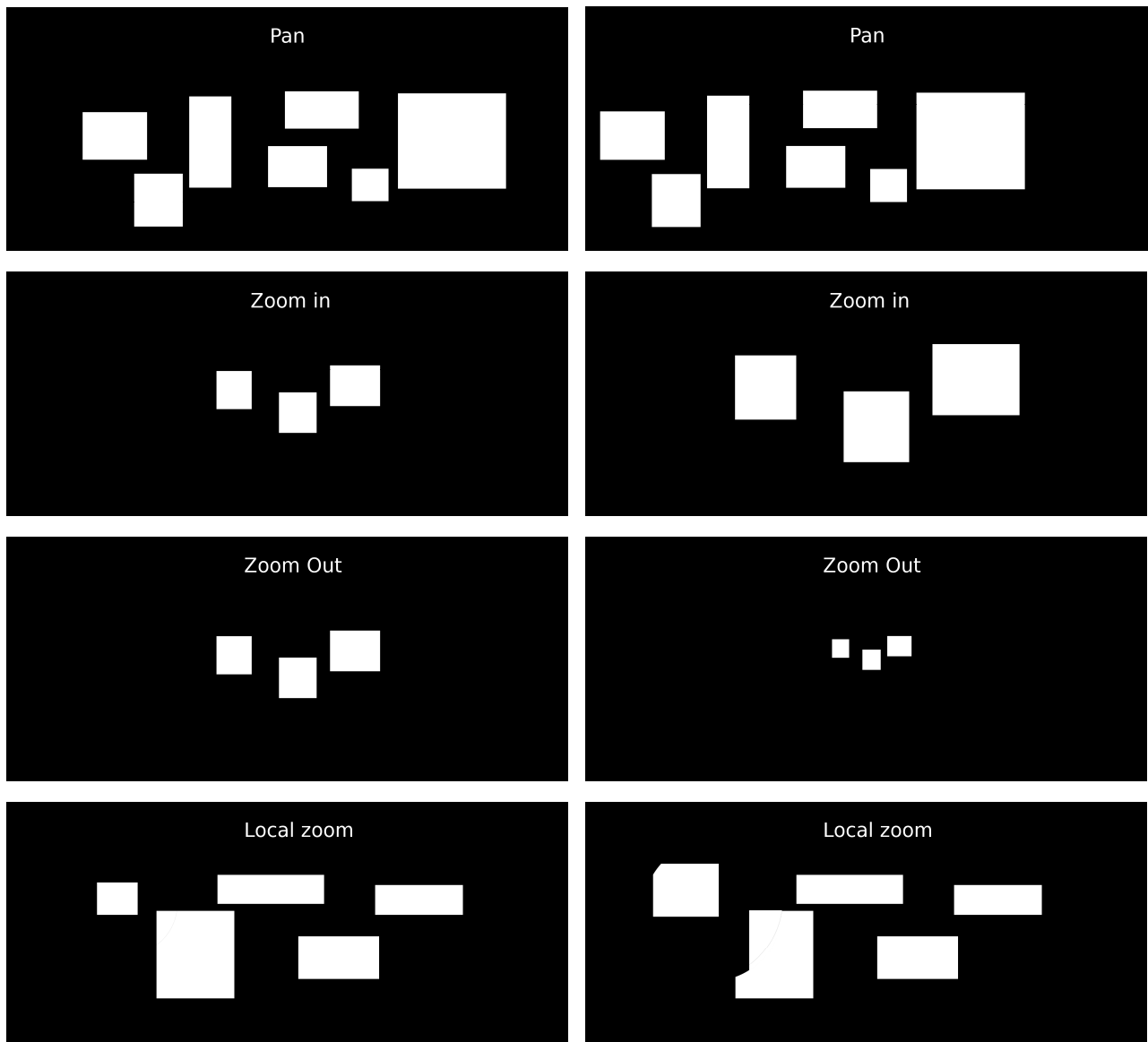


Duplicate element



Environment Manipulation

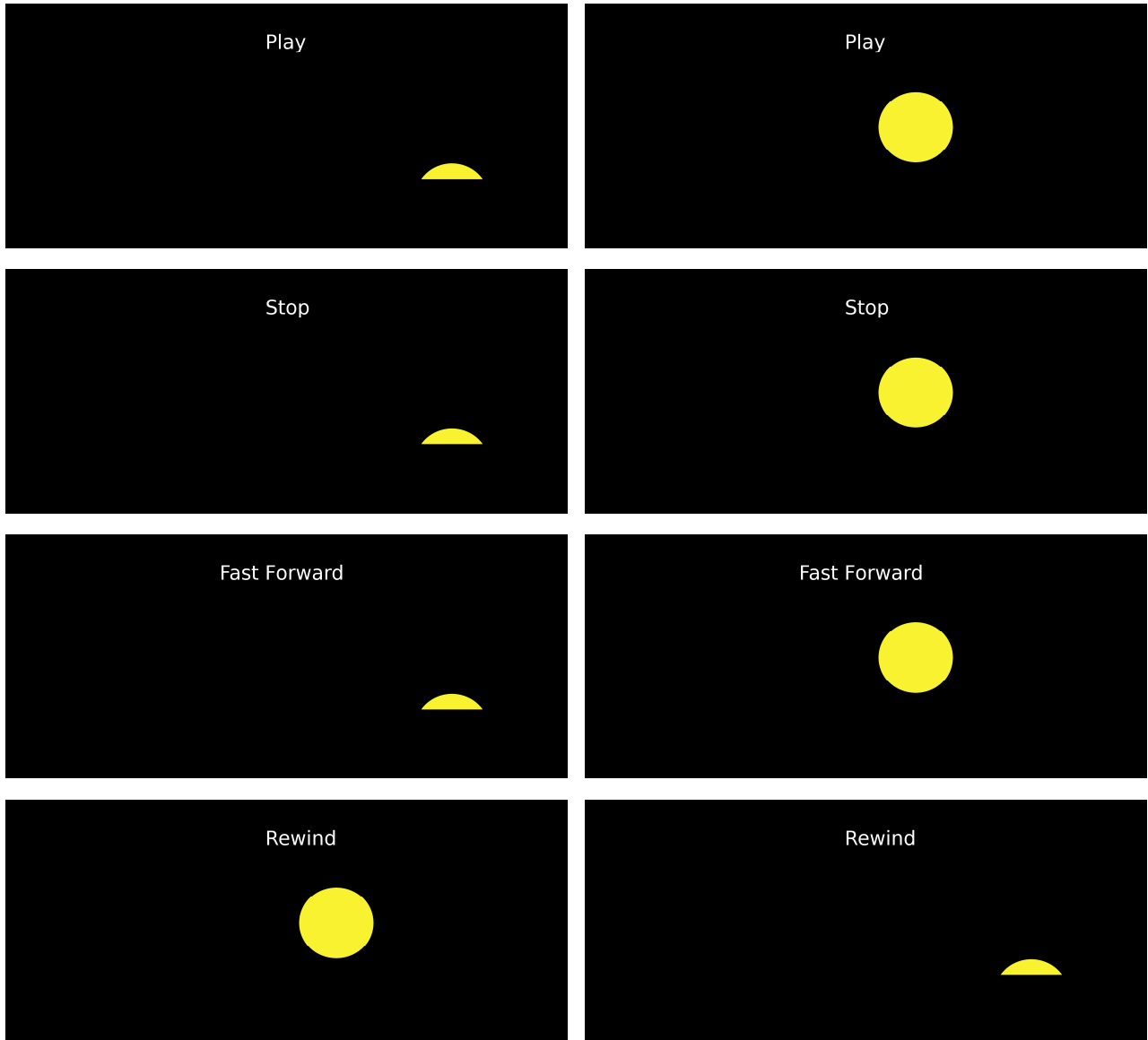
The element manipulation group contains referents that influence the environment rather than the elements on it, such as zooming and panning.



(Note: The local zoom referent refers to the action of zooming only part of the screen, for instance in order to allow a single participant to zoom the part of the screen she is working on during group work, without interrupting the other group members.)

Video Manipulation

The video manipulation group contains referents used to when watching videos.



Collection Navigations

The collection navigation groups contains referents for navigating a collection, such as a slideshow of pictures or a presentation.

