

# Attentive Navigation

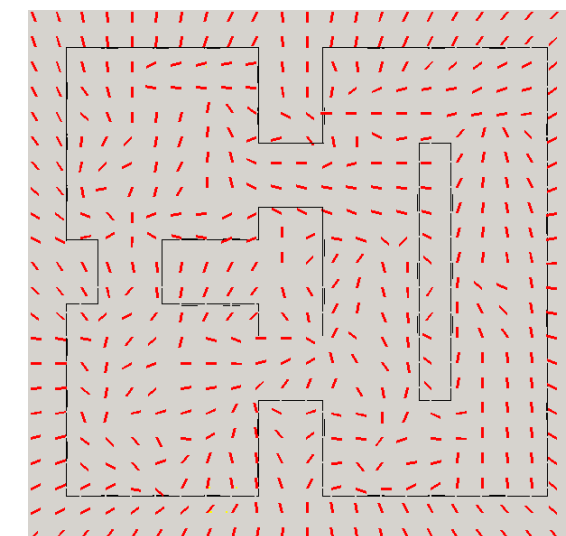


Stephen Hughes

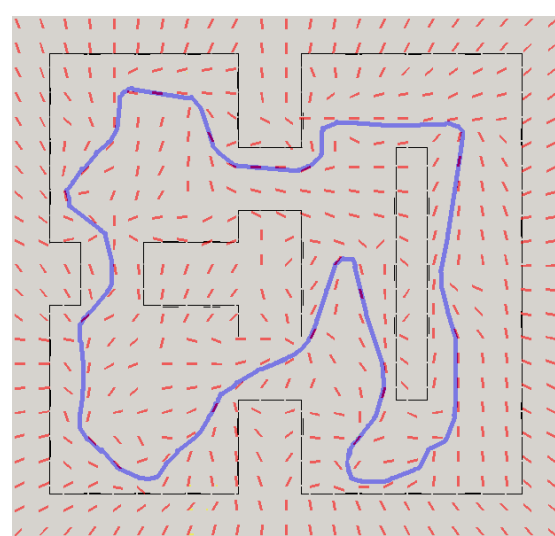
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## Attentive Navigation Approach

- Potential camera positions limited by constraint surface.
- Ideal viewing parameters stored in Camera Model Field
  - Collection of vectors stored in a grid structure
  - Smooth transition ensured with spline interpolation.

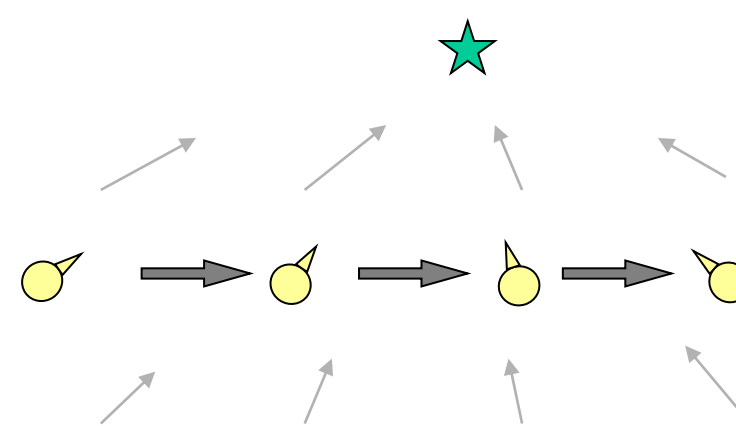


### Direct Guidance



Ideal viewing vectors provide deterministic motion through scene.

### Hiding & Sorting



Gaze is automatically aligned with Ideal viewing vectors.

Hiding: Viewer controls position only, has no control over orientation.

Sorting: Viewer can intervene to override suggested orientation.

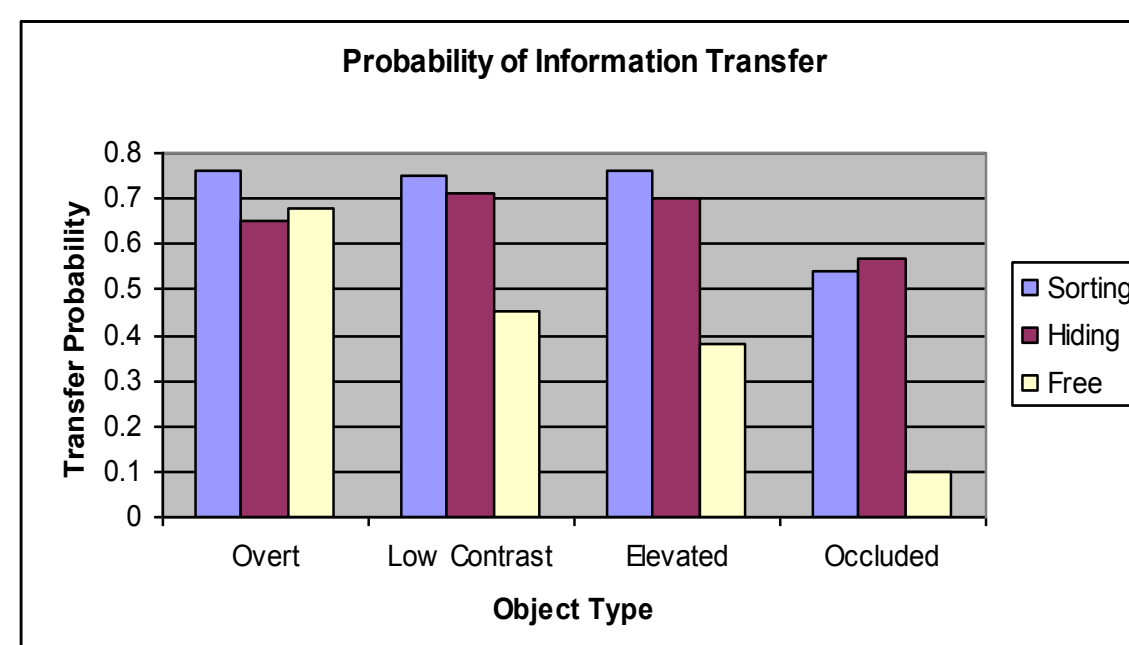
### Annotation



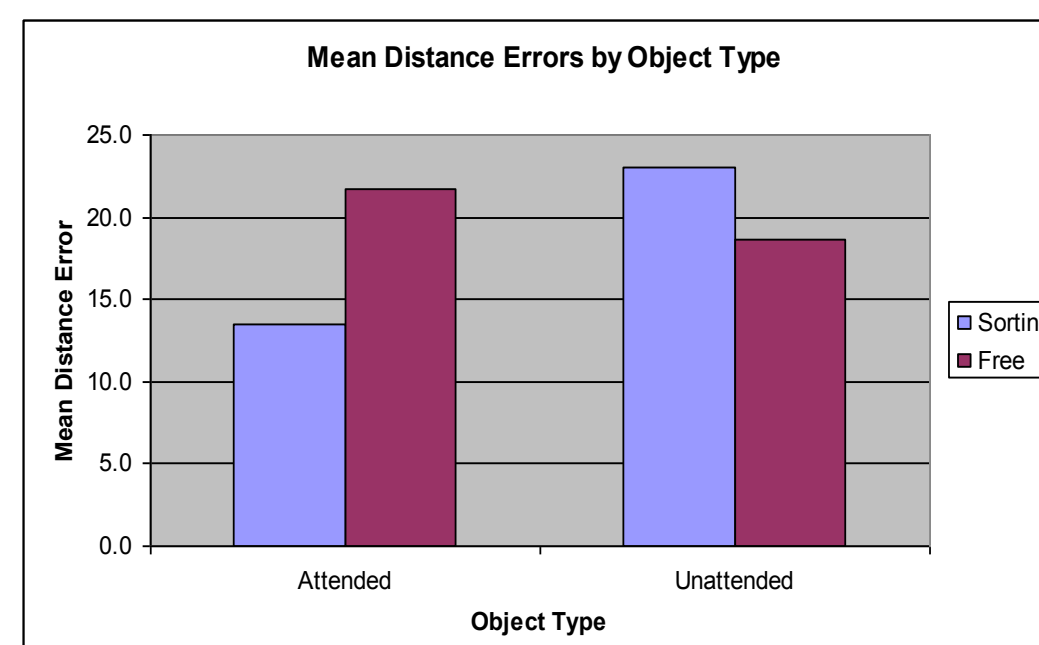
Ideal viewing vectors influence the behavior of external imagery: a flashlight or an arrow.

## Preliminary Assessment

### Improved Recall of Features Seen



### Improved Sense of Location



### Improved Search Results

