**BACKGROUND and PURPOSE**

Does guidance operate immediately like a filter, or does it develop over time?

- **Immediate Guidance**
  - Broadbent (1958)
  - Neisser (1967)
  - Feature Integration Theory (e.g., Treisman & Gelade, 1980)
  - Guided Search (Wolfe, Cave & Franzel, 1989; Wolfe, 1994)
  - Itti & Koch (2000)

- **Evolving Guidance**
  - Reentrant Processing (Di Lollo, Enns & Rensink, 2000)
  - Guided Search (Wolfe, Cave & Franzel, 1989; Gelade, 1980)
  - Feature Integration Theory (e.g., Treisman & Neisser, 1967; Broadbent, 1958)

**EXPERIMENT 1 – FEATURE SEARCH**

**METHODS**

10 Observers in each Experiment. Task was to report the left/right direction of the C. Displays revealed in three phases. Response Times gathered after Search Display onset.

**RESULTS**

There was an immediate advantage for multi-colored displays. Guidance continued to improve over the next 400-600 ms. No difference between blocked and mixed trials at 0 ms cue duration. Guidance became fully effective in blocked trials before mixed trials.

**FUTURE DIRECTIONS**

Why was selection so good for mixed trials in Experiment 1?

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