Scene perception after those first few hundred milliseconds

Jeremy Wolfe Brigham and Women's Hospital and Harvard Medical School What is the evidence for this claim? The repeated search task



- The capital letters are the search array.
- The lower case letter at the center tell you what to look for on this trial.
- In repeated search, the search array does not change from trial to trial.

Repeated Search







Repeated Search















Slope of the RT x set size function is the measure of search efficiency







Melina Kunar's mouseclick experiments. (Kunar, Flusberg, & Wolfe)

But this is a meeting about scenes

So Aude and I did a version with scenes like this

Same basic result



Figure by MIT OCW.

Note: Mean RT is faster, but search efficiency is unchanged.

We also did "panoramic" search

















You can search for a visible target



You still get a slope

If the same target is hidden



The slope can vanish

Subjects make a pragmatic choice



Search if the target is visible

The "IsWas" Paradigm

Minimal Change Blindness



Does the cued dot change color?





No



No



Yes



So...to summarize

Early Vision







