Speech Filtered Bubble Ray
Improving Target Acquisition on Display Walls
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THE CHALLENGE

...the blue one

The six distracter layouts

Ray Casting
Must point within the target to select

Bubble Ray
Nearest target is always selected

Speech Bubble Ray
Speech filters the nearest target selection

THE RESULTS

ROUND 1 SPEED

Participants were asked to select targets on a large wall display as quickly and as accurately as possible. They performed selections over six different distracter configurations (described below).

ROUND 2 ACCURACY

In our experiment the inner ring (different colour) constrains bubble ray while the outer ring (same colour) constrains the speech bubble size.

ROUND 3 PREFERENCE

The six distracter layouts (SS, SM, SL, MM, ML, LL) provides situations where ray casting is as effective as bubble ray and speech bubble (e.g. SS).

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Most liked and disliked technique

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