

University of Groningen

Whac-A-Mole

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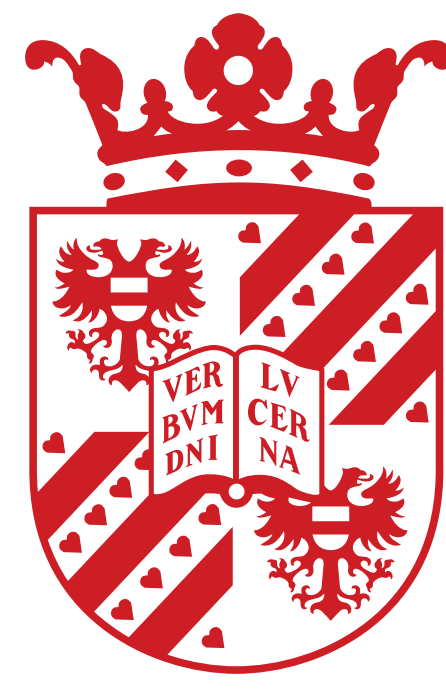
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Whac-A-Mole: Implicit Adaptation to Temporal Regularities



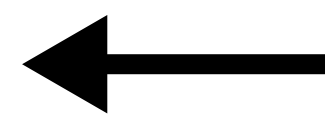
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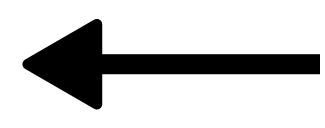
*j.m.salet@rug.nl

Conclusion

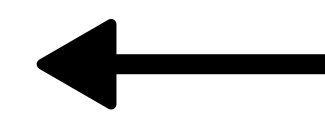
We found Implicit
Adaptation to the
Temporal Regularity



Participants
were **oblivious**
to the **regular**
interval

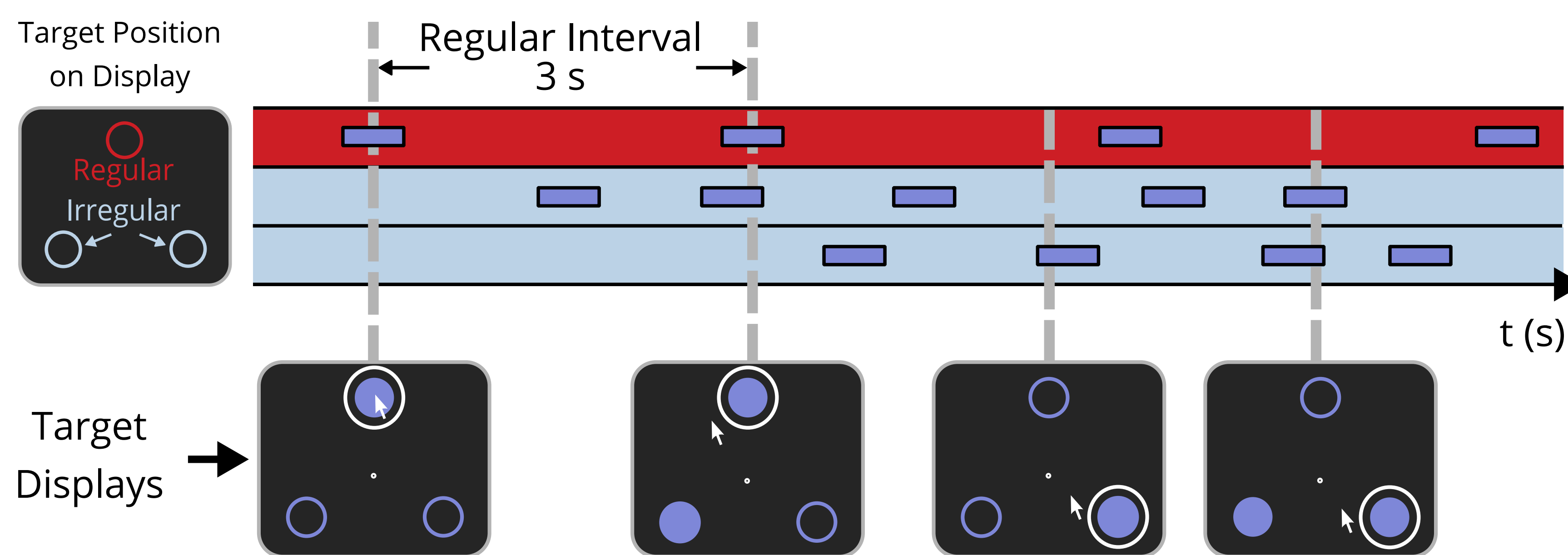


Response time was
lower and **hit rate**
higher to the target
with the temporal
regularity



Movements of the **mouse**
cursor were **initiated earlier**
to the regular target, as if
participants anticipated the
upcoming event

Design



Participants scored points by moving the mouse cursor towards sudden-onset targets (the 'moles') that were briefly on the screen

At two out of the three target positions, targets appeared at random times, but at one of the locations the target appeared consistently **every three seconds**

We split the experiment into an **explicit** and **implicit phase**, where participants were and were not informed about the regularity

Results

