

# Contour integration affects perceived mean orientations of Gabors #63.447

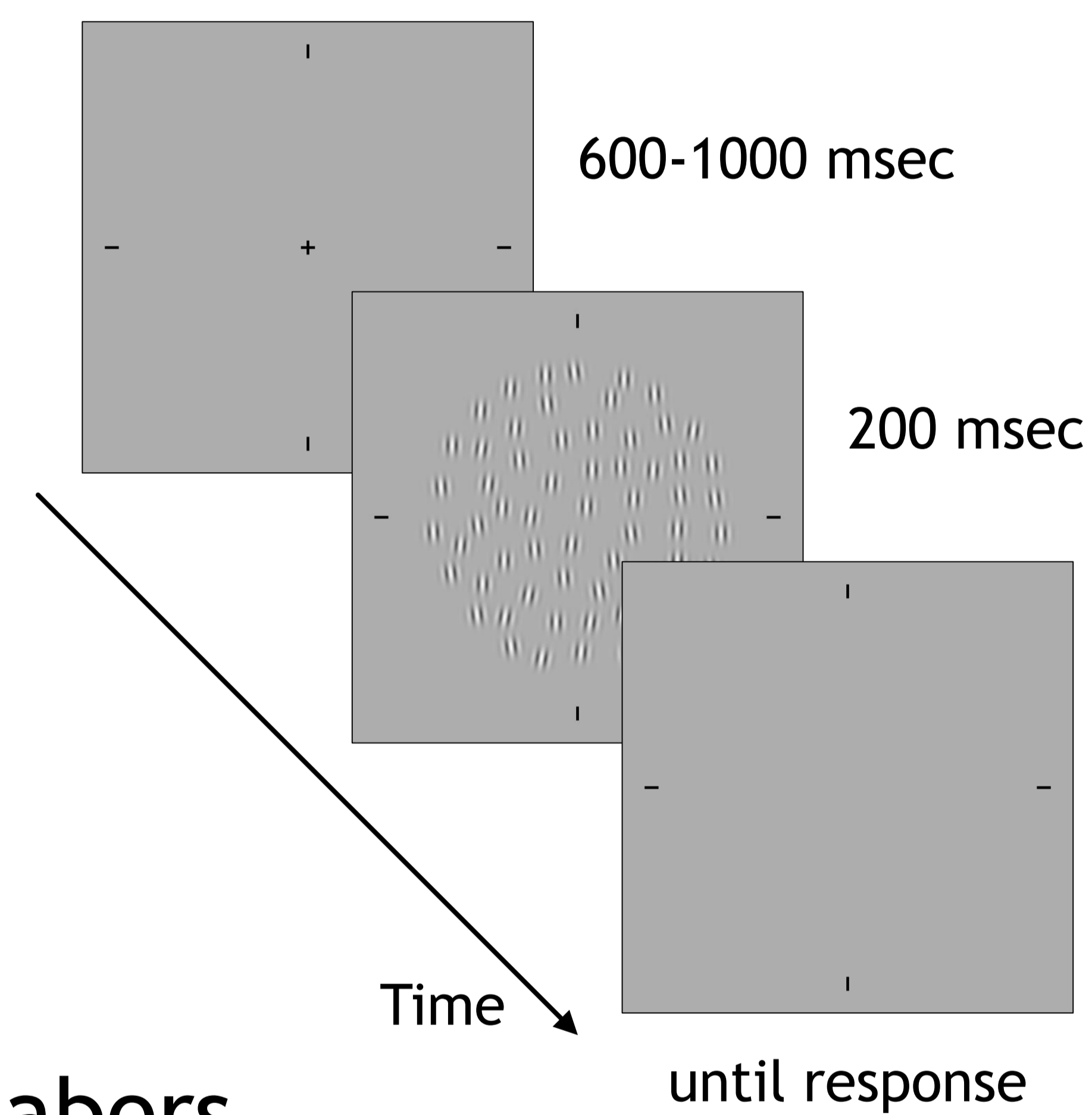
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## Research Question.

How do contour integration and mean orientation perception interact?

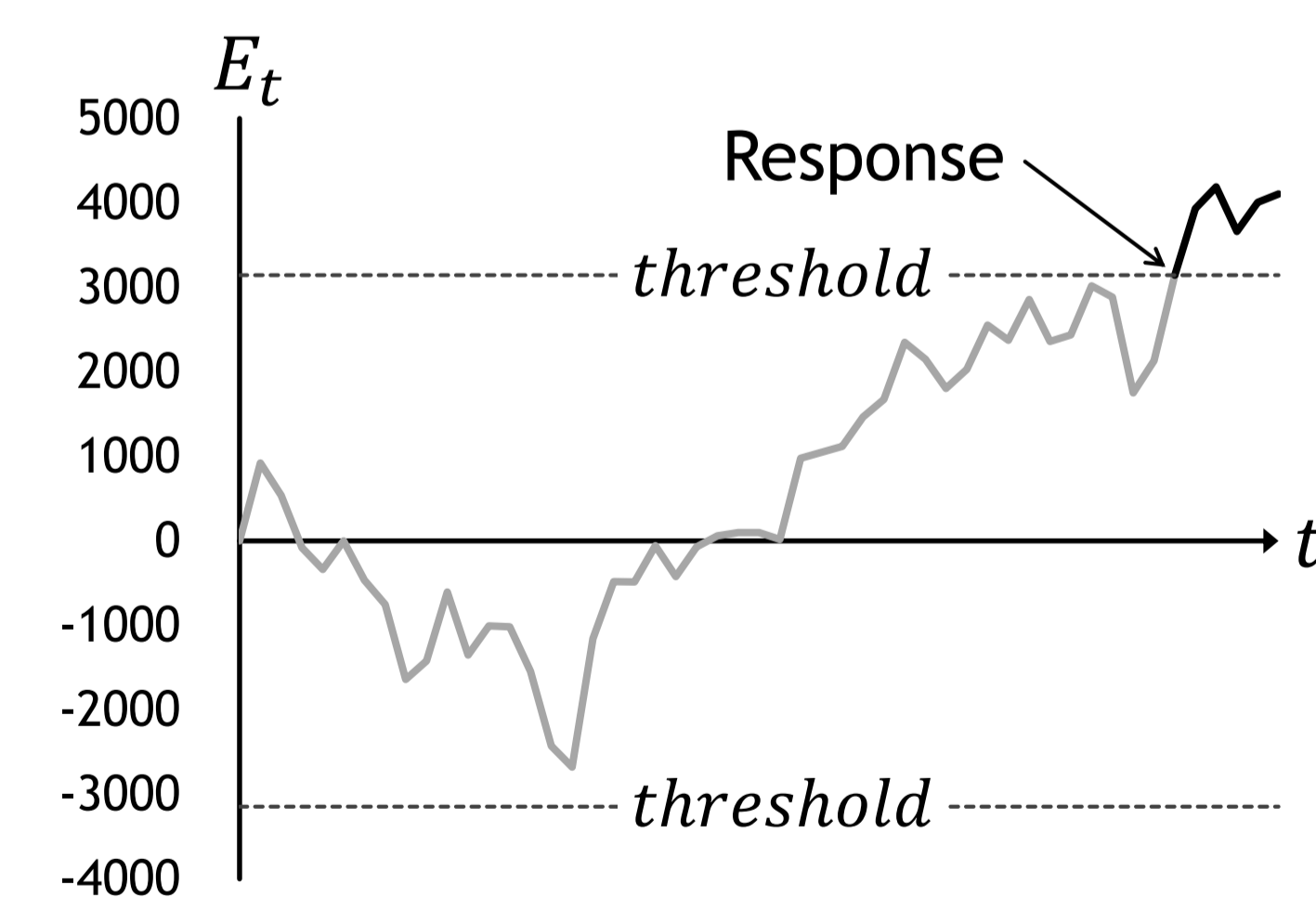
## Method.



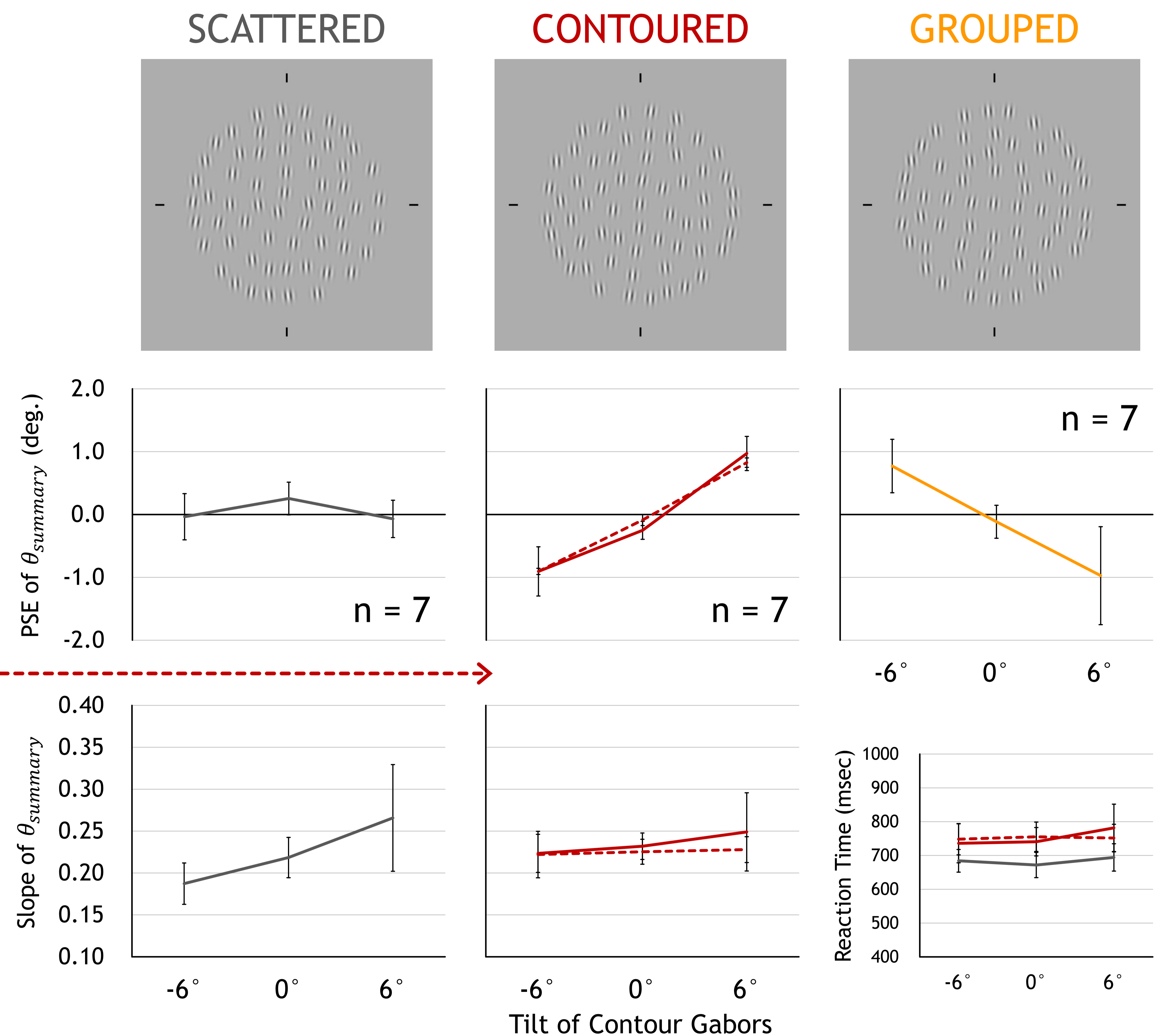
## Model Prediction.

$b, a, threshold$ : as modeled  
 $n, \theta_{summary}$ : w/o Contour Gabors

$$\begin{aligned}
 E_0 &= b \\
 E_{t+1} &= E_t + \sum_n (\theta + a \cdot R) \\
 &= E_t + \sum_n \theta + a \cdot \sum_n R \\
 &= E_t + n \cdot \theta_{summary} + a \cdot n \cdot R_{normal}
 \end{aligned}$$



## Results.



## Summary.

Gabors in a contour were NOT included in mean orientation judgment.  
Grouped elements WERE included.