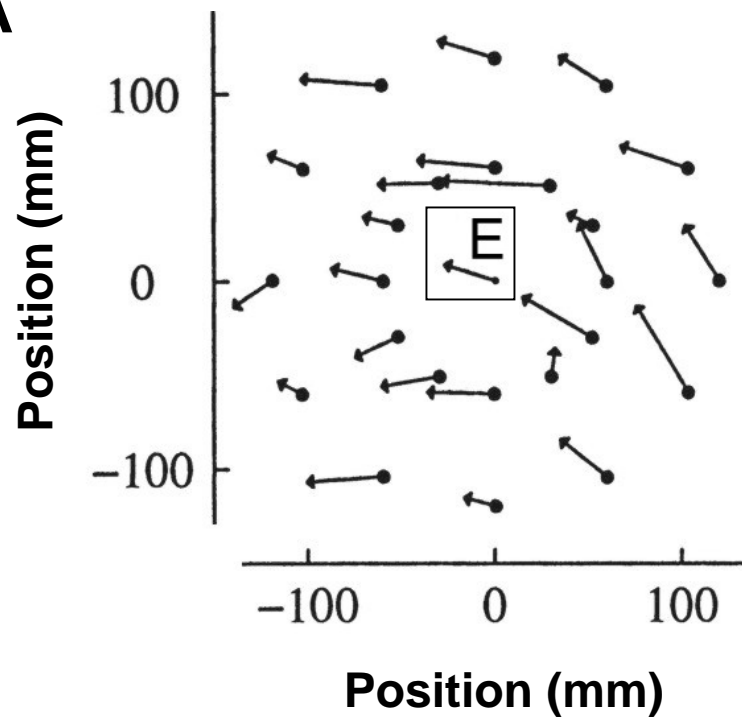
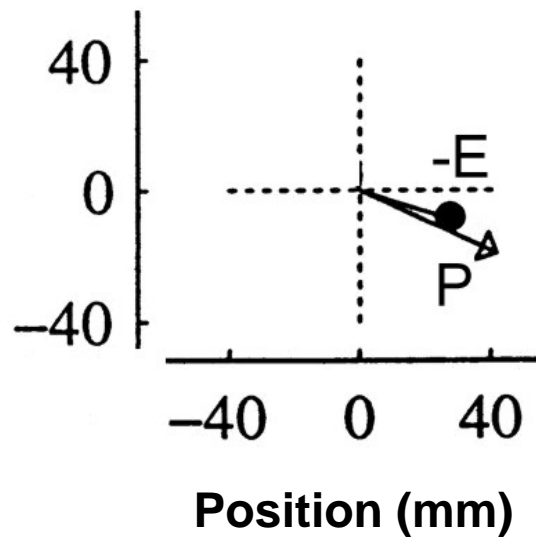
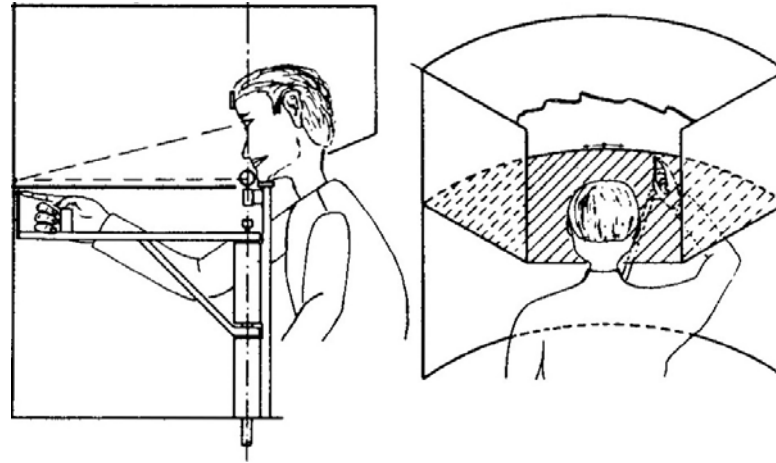
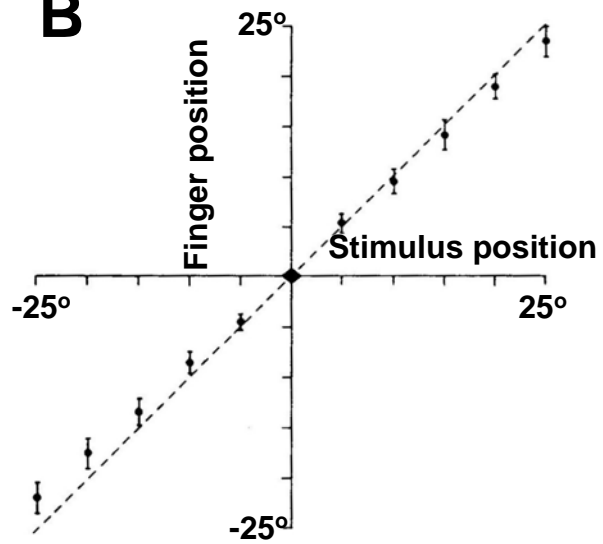
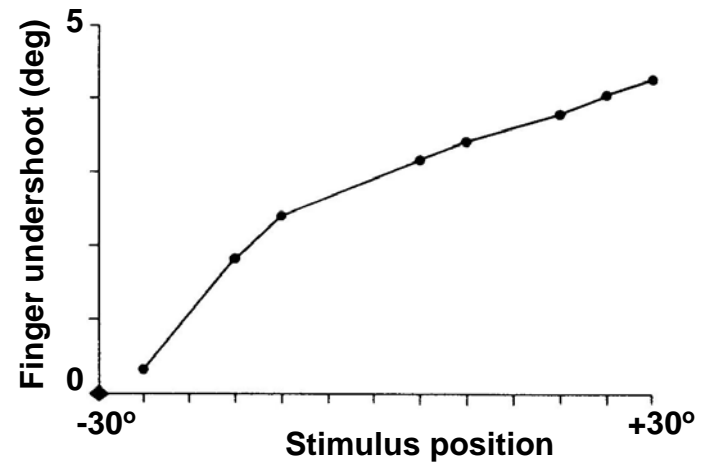
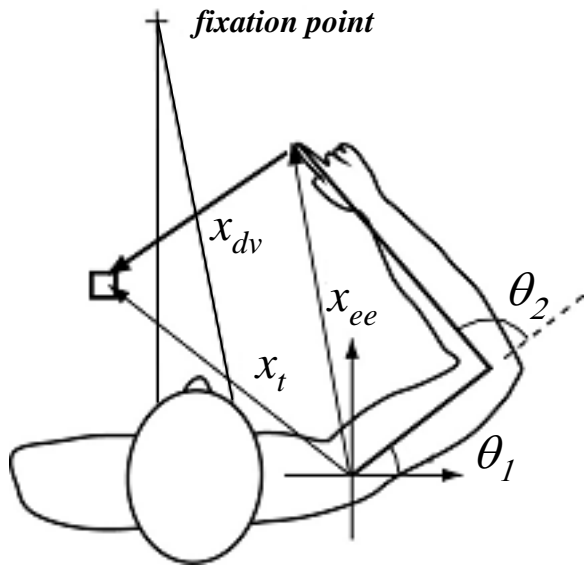
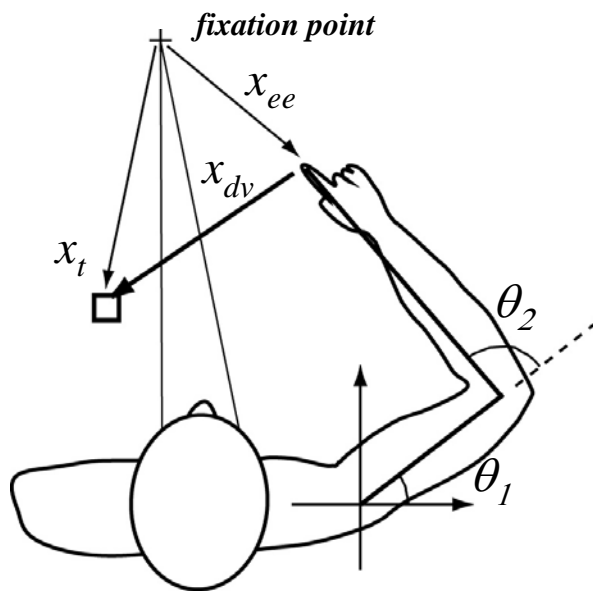
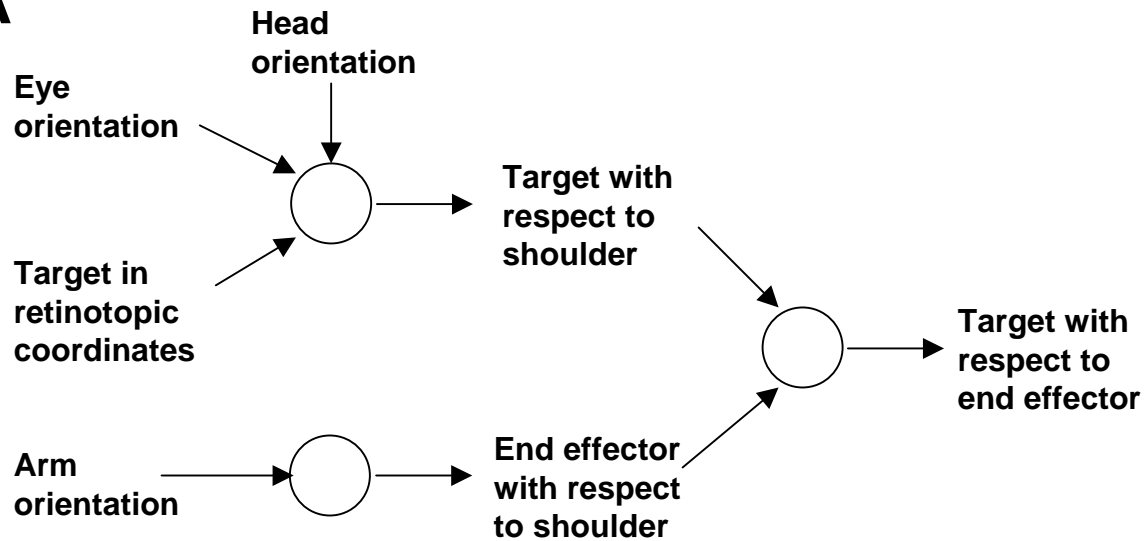


A**B**

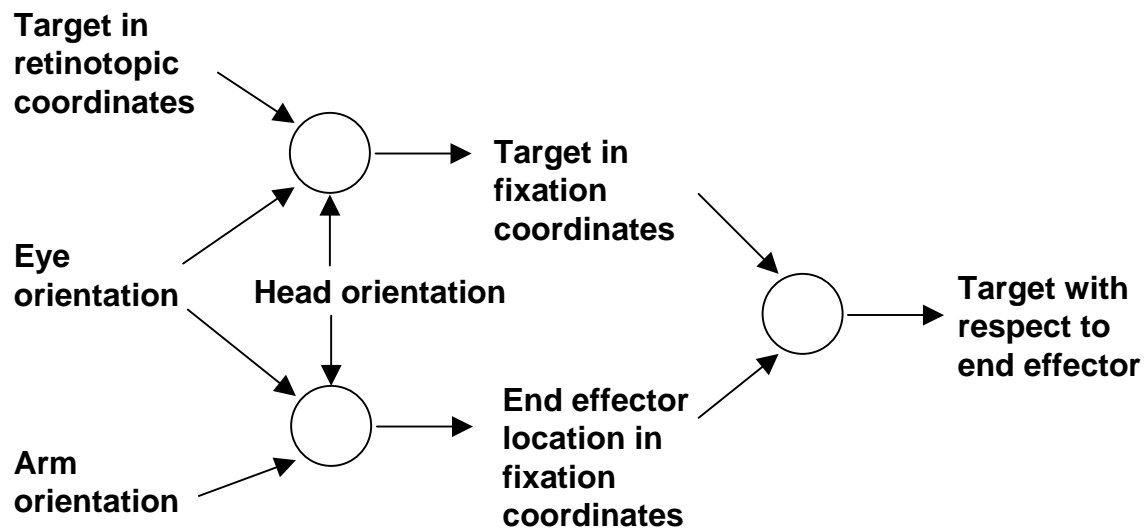
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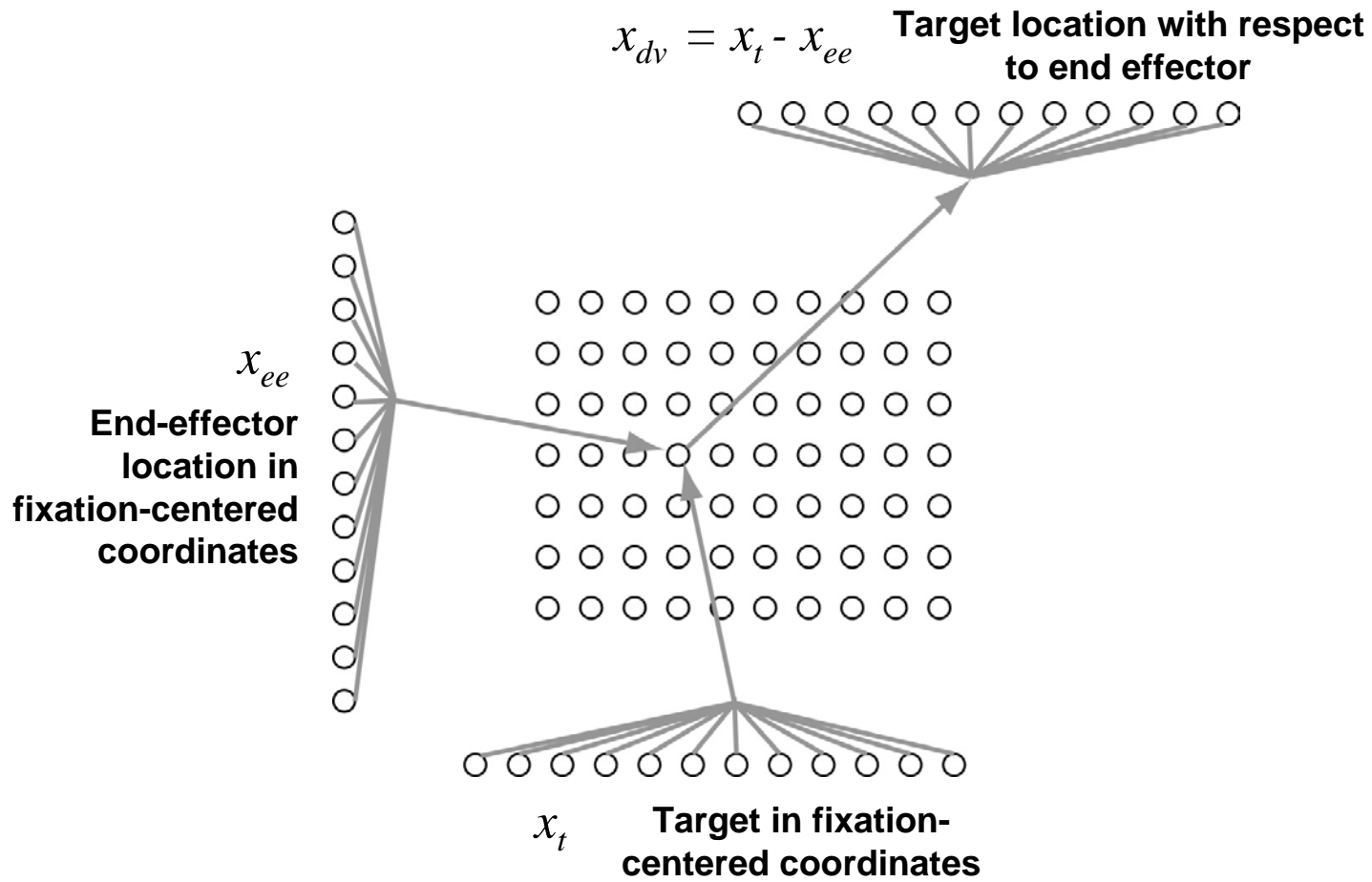


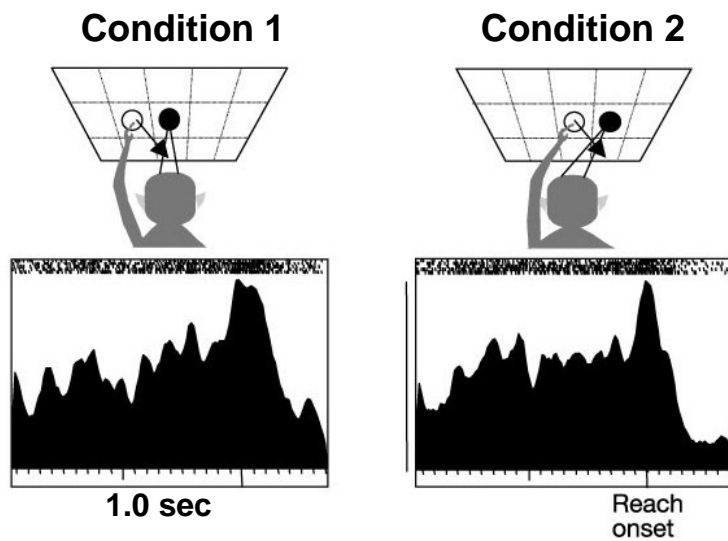
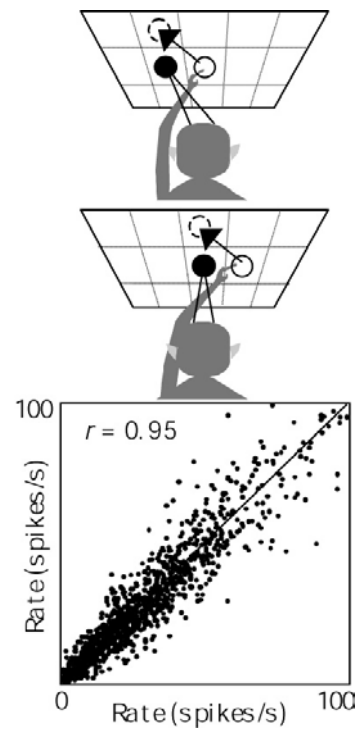
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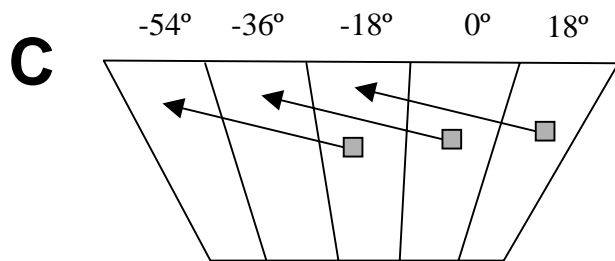
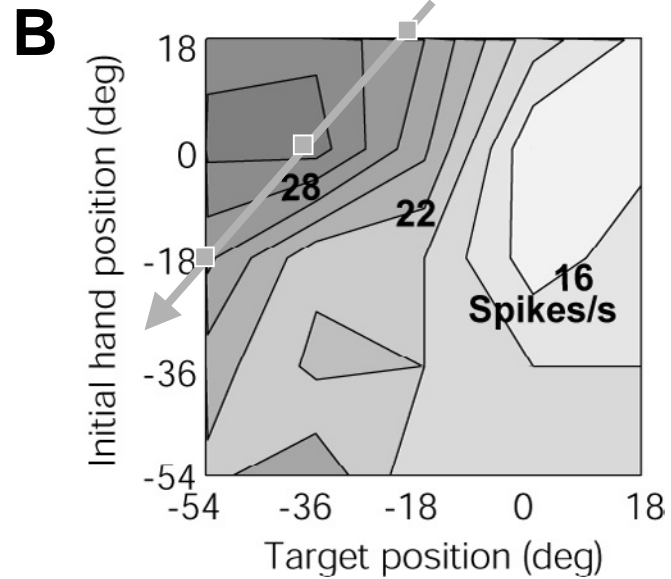
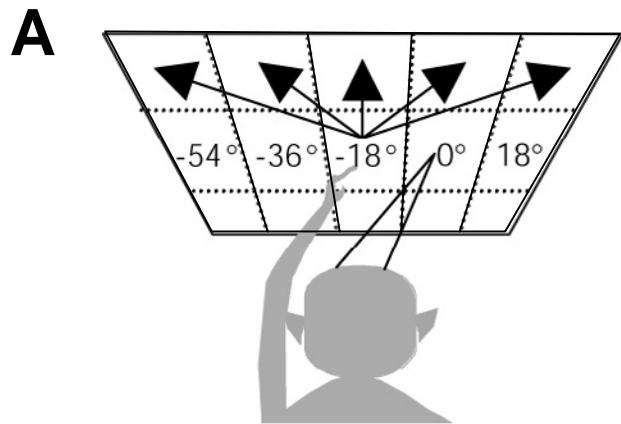


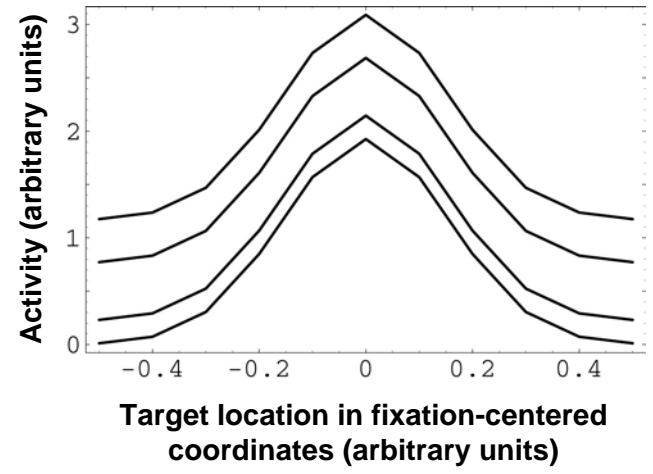
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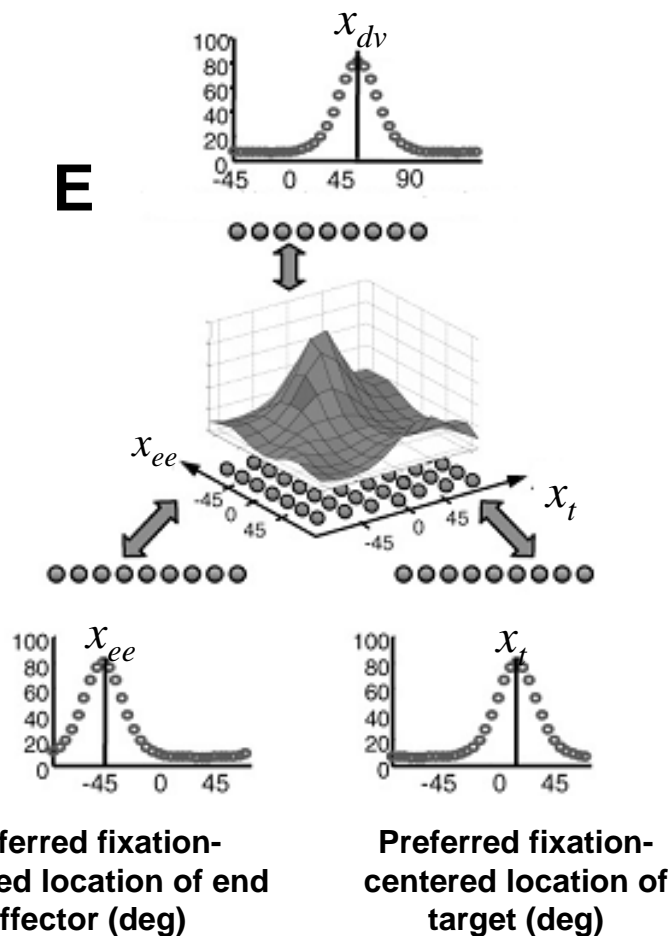
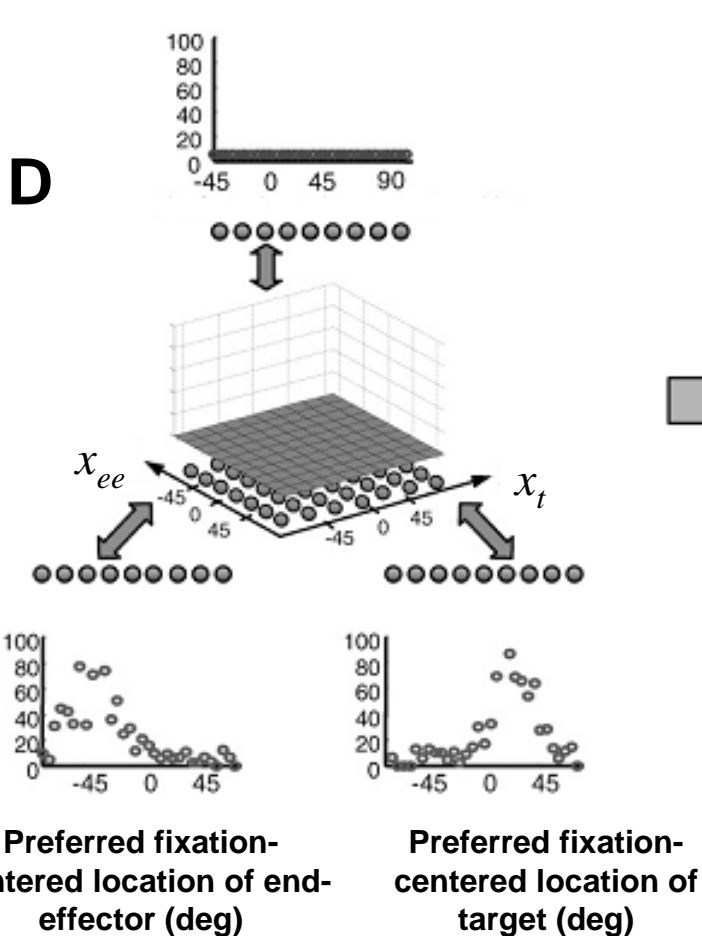
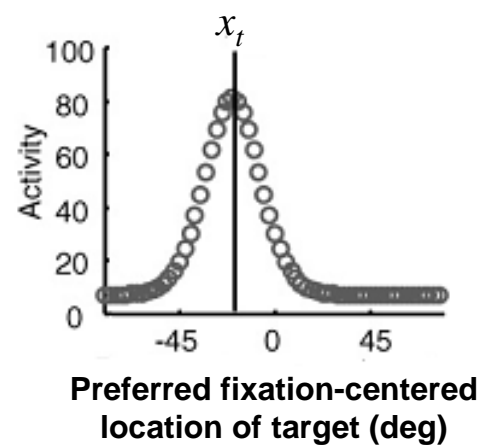
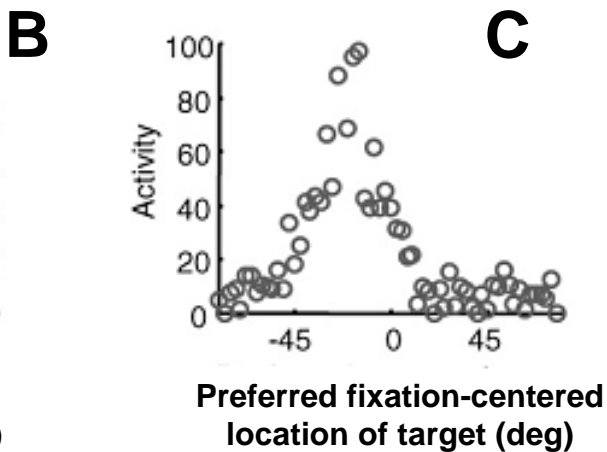
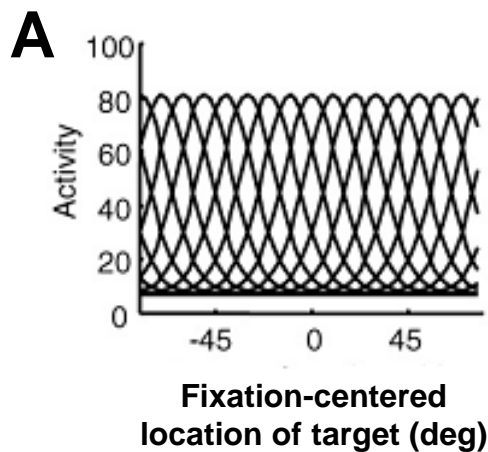


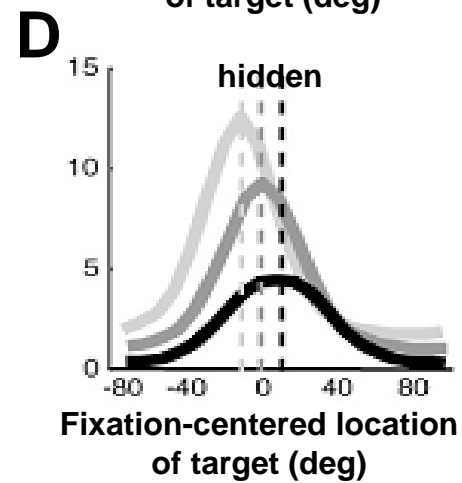
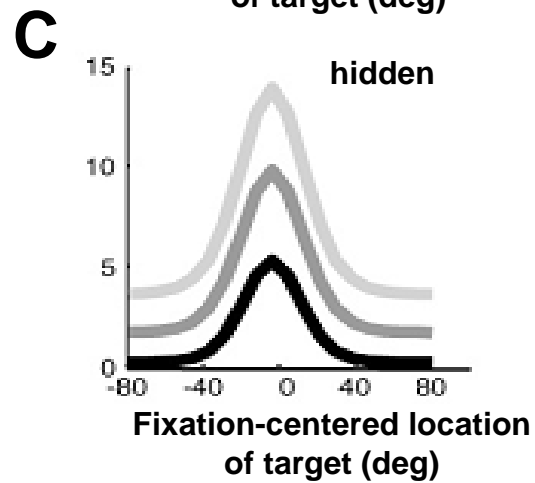
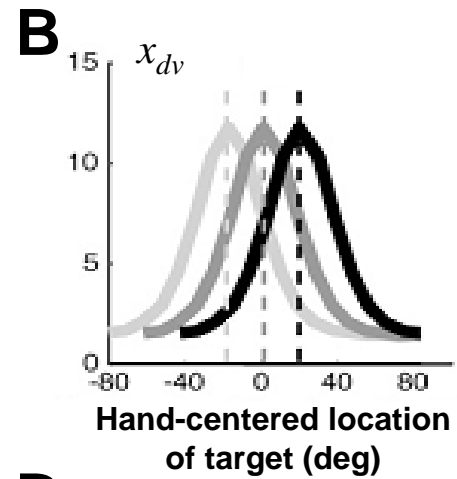
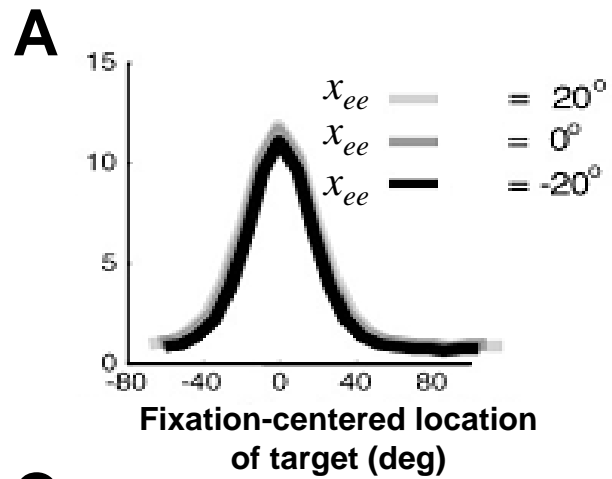


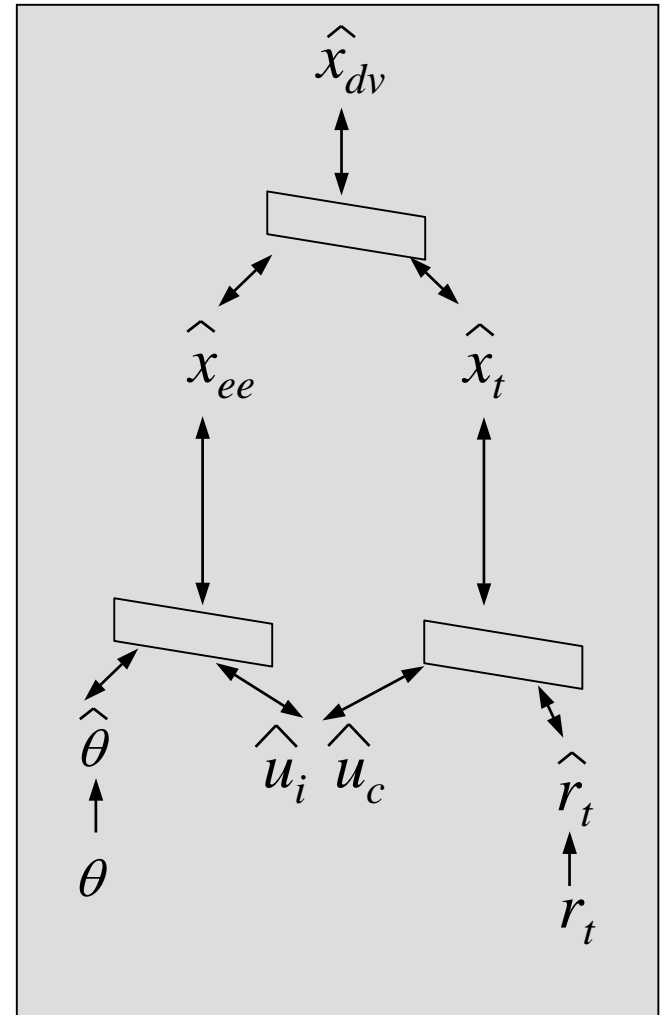
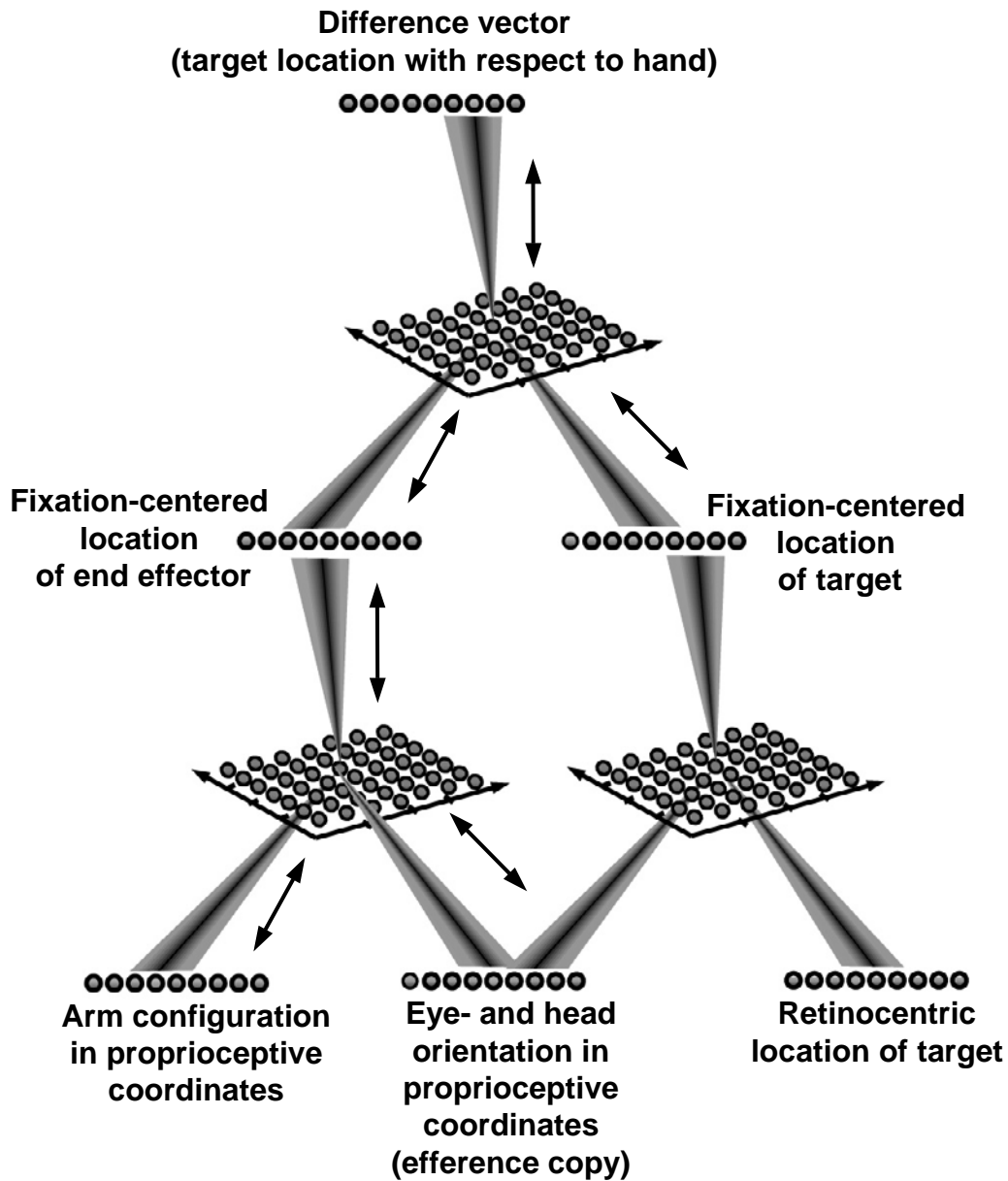
A**B**

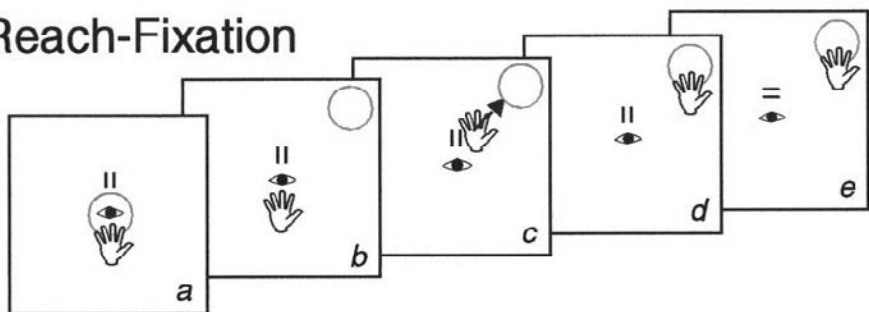
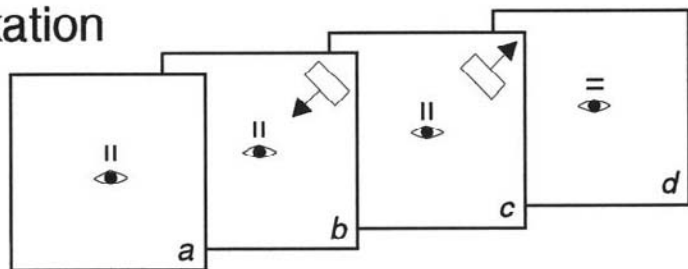
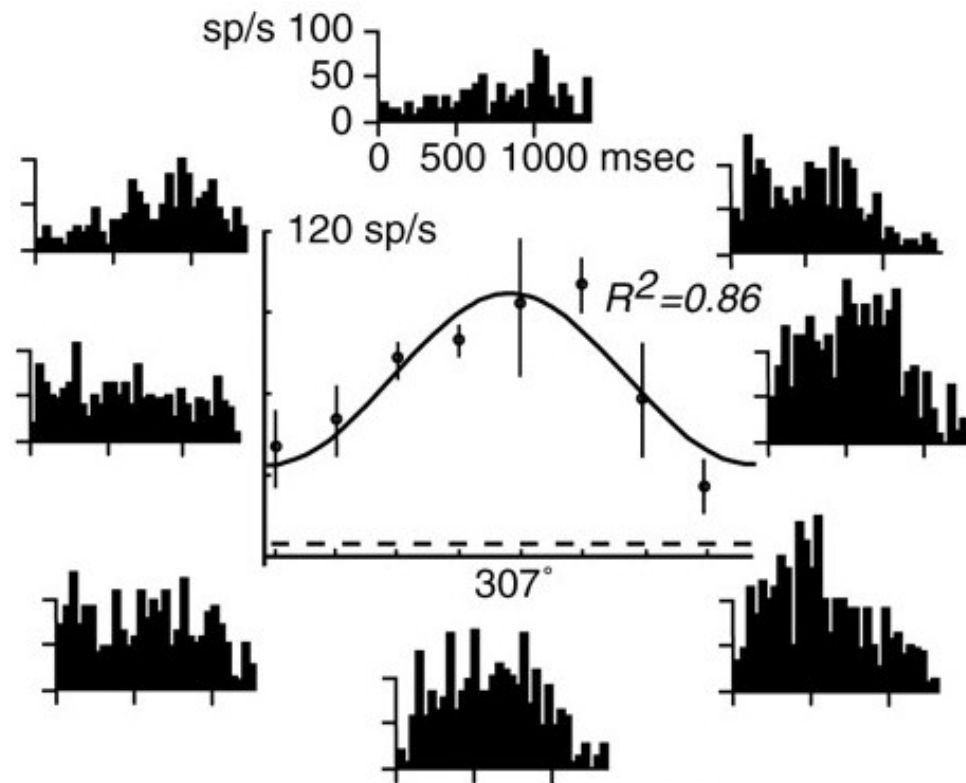




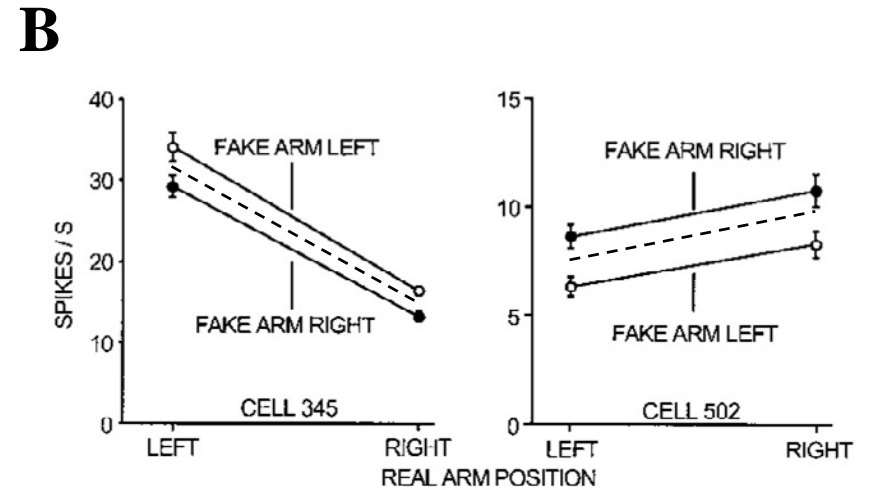
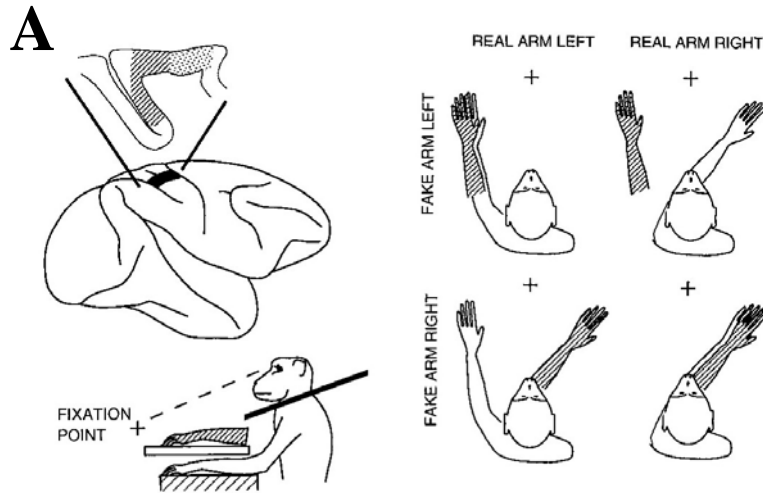






A**Reach-Fixation****Visual Fixation****B**

Some cells in area PO of PPC exhibit an activity field encoding the location of the monkey's hand but not other stimuli. A. Experimental setup. The monkey fixates the center location while reaching to a peripheral target or, in other trials, it fixates the center location while bars of light move in regions of the visual field. B. Activity of a single PO cell when the monkey reaches while maintaining central fixation. The activity is aligned on the instant that the monkey's hand reached the target



Coding the location of the hand in fixation-centered coordinates. **A.** Experimental setup. A side view of the monkey brain showing the part of the parietal lobe studied (black area). In the horizontal cross section of the cortex, stripes show the recording site in area 5d, and stippling shows the recording site in somatosensory areas 1 and 2. The experiments occluded the monkey's view of its real arm while it fixated straight ahead. They also displayed a fake, realistic looking arm within the monkey's field of view. The monkey could not see the cut end of the fake arm (at the shoulder). **B.** The mean firing rate of two neurons averaged over a 12.5-s trial. The dashed line shows the cell's approximate discharge rate when no visual cues other than fixation point were in the monkey's visual field.