Delay period microstimulation in FEF/LIP has a small but significant effect on memory-guided saccades. The fact that this effect is small may reflect the distributed nature of visualspatial memory processing across brain areas.

Stimulation of FEF/LIP can introduce a corollary discharge signal into the oculomotor spatial memory system.

Systematic effects of delay period stimulation deviate saccades away from the evoked vector/RF.

Saccades on stimulated trials are deviated antiparallel to the stimulated signal. This suggests that subthreshold stimulation can introduce a small but significant effect on memory-guided saccades following either a pursuit or saccadic gaze shift during the delay period.

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