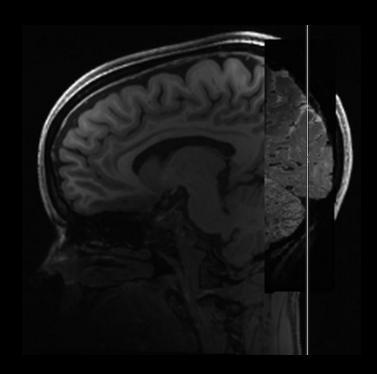
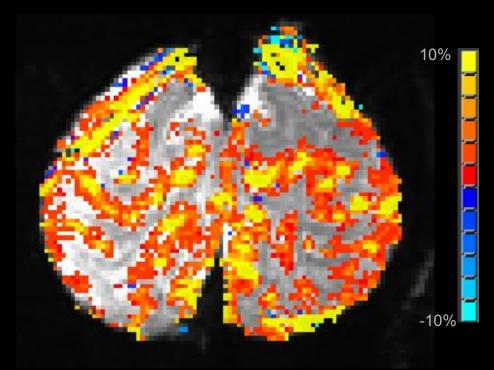
Whatever gives me (lots of) good signal

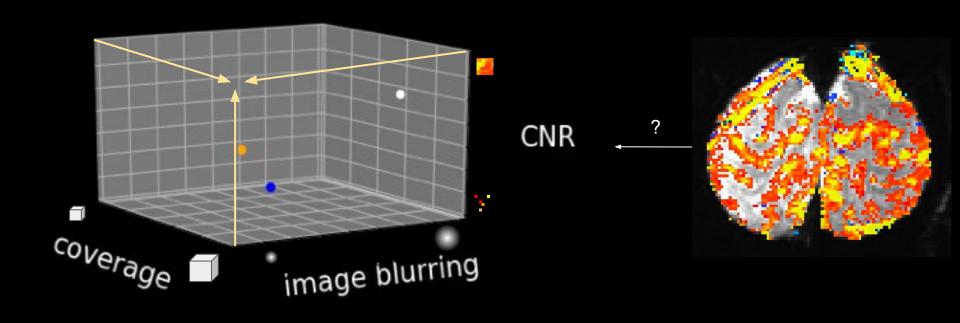


0.8 mm 2D GE EPI, coronal slices, R/L read-out 56 slices, MB=2, R=3, partial Fourier=6/8 echo-spacing=1.01 ms, total read-out time = 41 ms



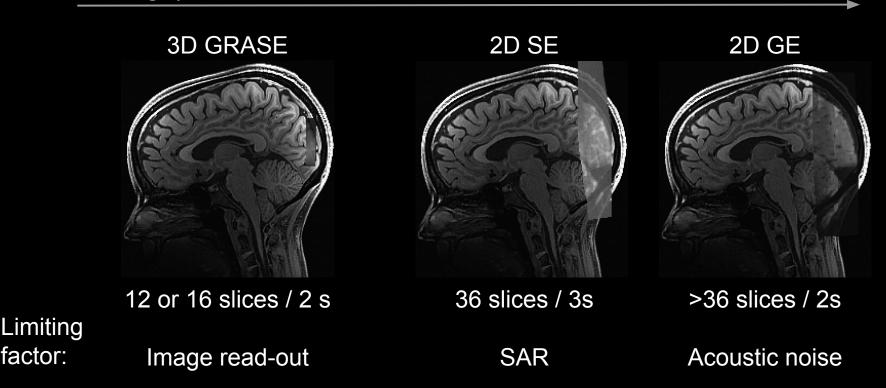
Block design scans (8), each 12s visual stim/12s rest for 4 min. GLM analysis; color overlay is % signal change Voxel-wise p < 0.001, cluster-wise p < 0.001.

Whatever gives me (lots of) good signal



Whatever gives me good coverage

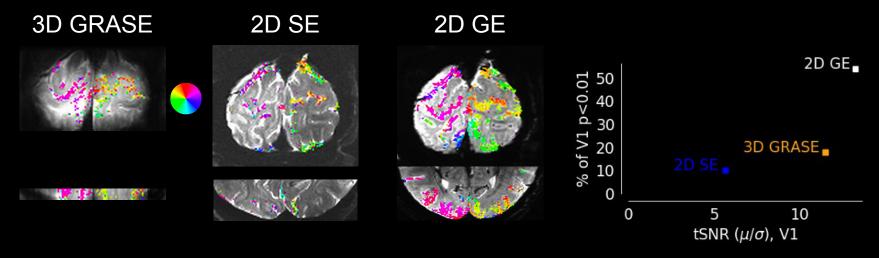
Coverage per unit time with 0.8 mm slices



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Whatever gives me the best functional contrast

SNR is relatively easy to quantify; contrast-to-noise ratio is *not*



4 x 4-min. pRF mapping scans; AFNI pRF analysis tool. Single-voxel p > 0.01; cluster p < 0.001.

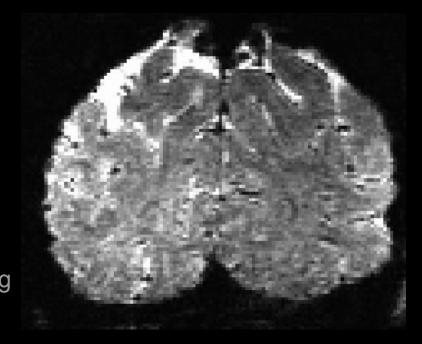
Quantification of % sig restricted to common region of V1 gray matter, sgl subj

Nominal resolution: 0.8 mm

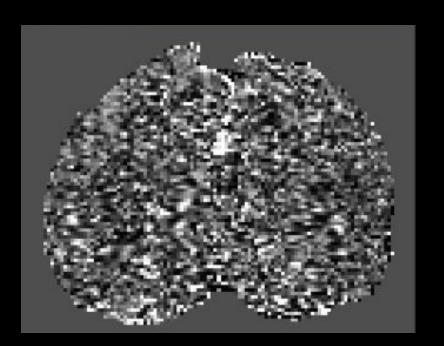
True resolution?

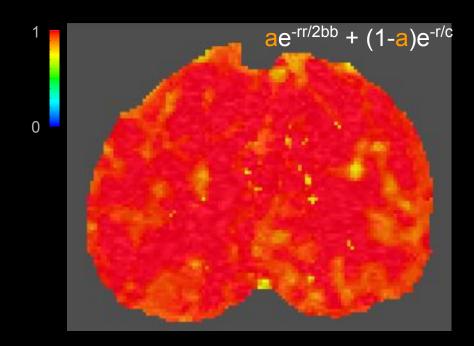
Image resolution: acquisition blurring

Effective resolution: image resolution + physiological blurring

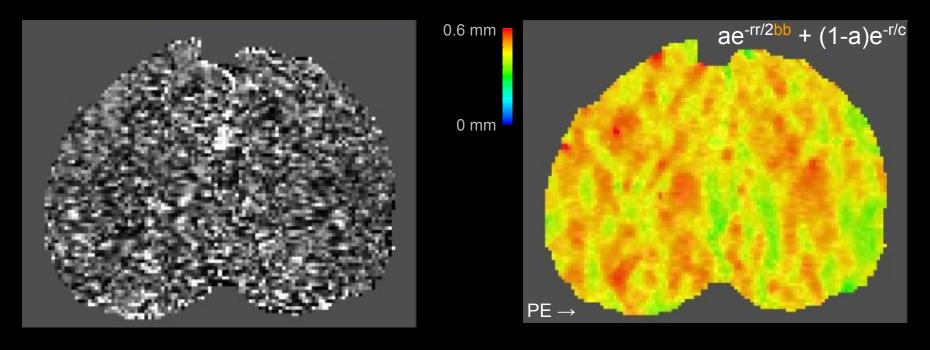


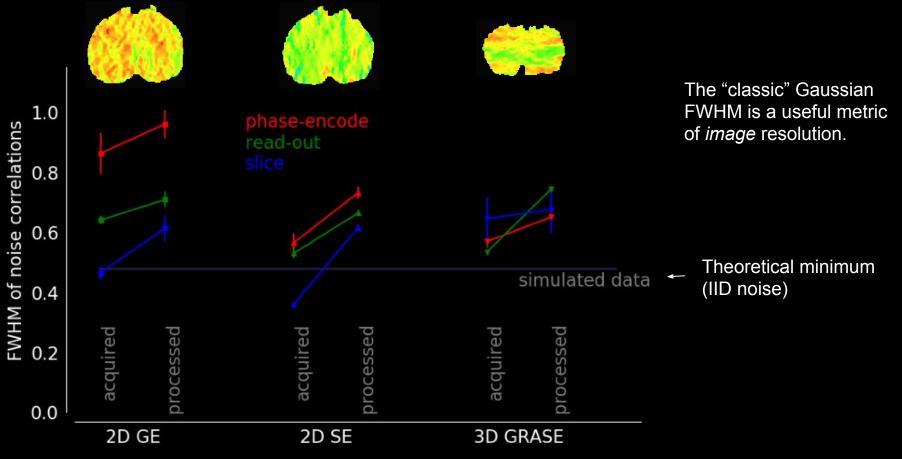
Fit residuals from GLM to determine spatial autocorrelation of noise (AFNI 3dLocalACF)





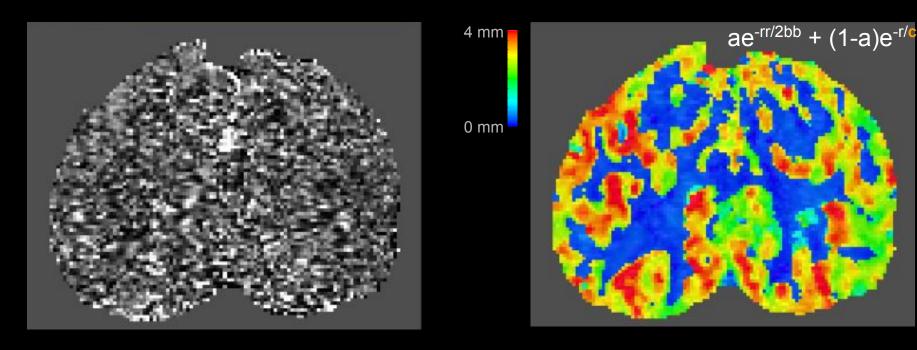
Fit residuals from GLM to determine spatial autocorrelation of noise (AFNI 3dLocalACF)



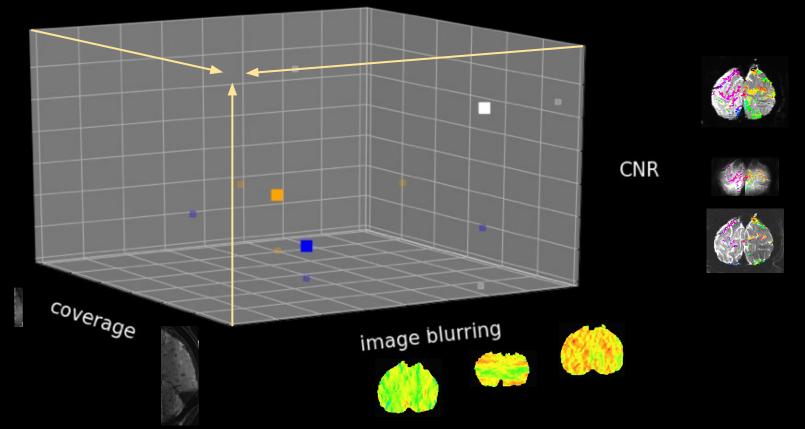


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Fit residuals from GLM to determine spatial autocorrelation of noise (AFNI 3dLocalACF)



Whatever gives me (lots of) good signal



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