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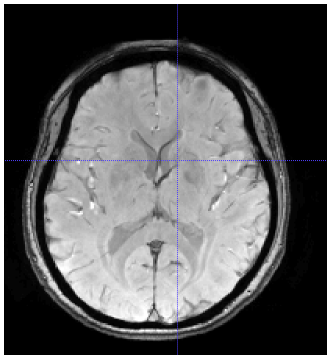

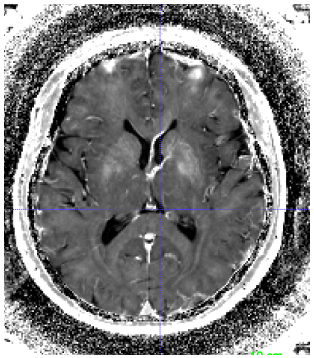

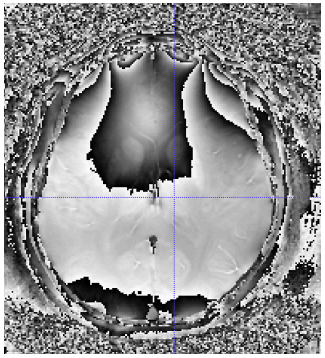

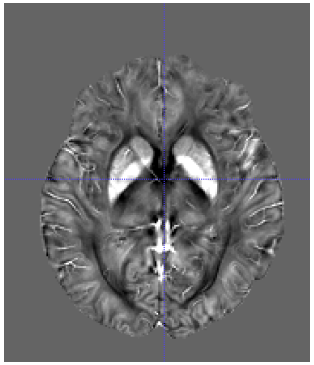

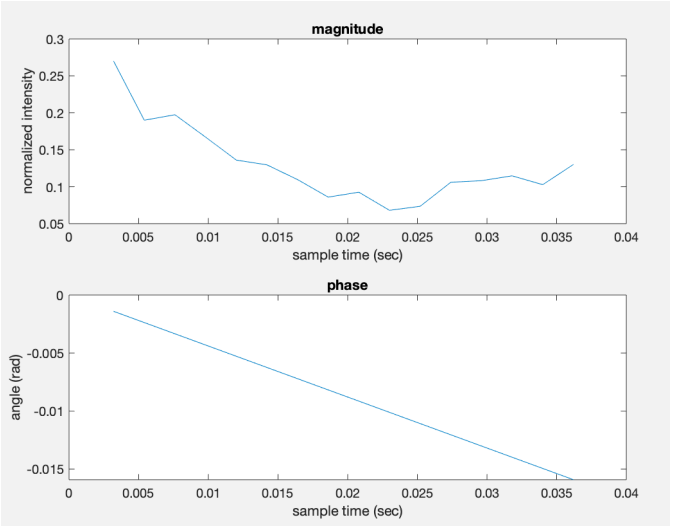

$$S_p(t;\boldsymbol{x}) = \sum_m x_{0,m}\, e^{x_{1,m} * t}\, e^{i * x_{2,m} * t}$$

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$$S_p(t; \boldsymbol{x}) = \sum_m x_{0,m}\ e^{x_{1,m} * t}\ e^{i * x_{2,m} * t}$$

$$\min_{\mathrm{x}}\ \rho(S_p(t; \boldsymbol{x}),\ \text{signal from scanner})$$

Challenge 1: proper cost function ρ
Challenge 2: parallel optimization calculation across all the image pixels