

Pr1. (a)



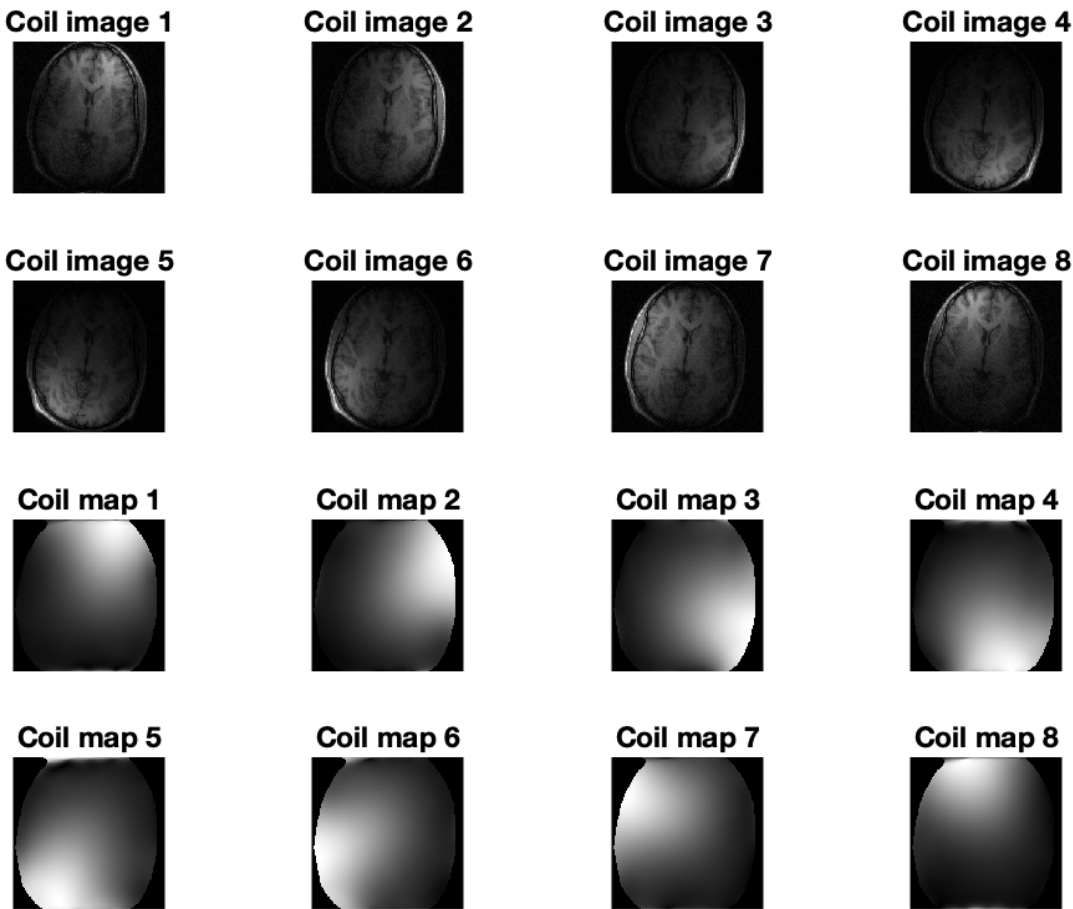
Pr1. (b)



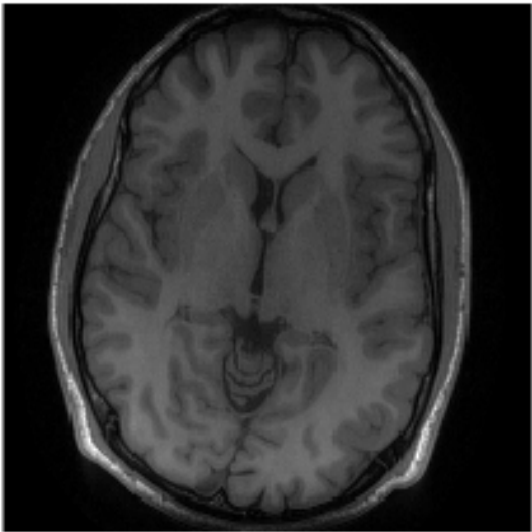
We can visually see the POCS reconstructed image is slightly better and not that blurry.

Codes can be found in HW3Pr1.m

Coil Image and coil map for fully sampled case

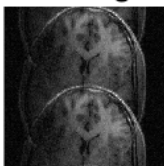


Coil combined image magnitude

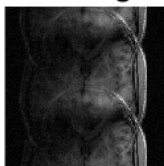


Coil Image and coil map for R=2 case

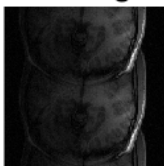
Coil image 1



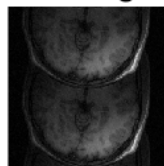
Coil image 2



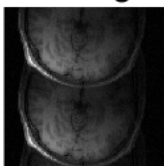
Coil image 3



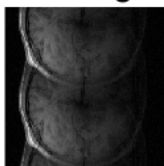
Coil image 4



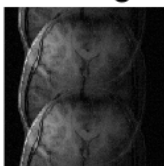
Coil image 5



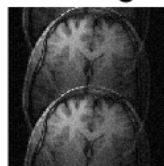
Coil image 6



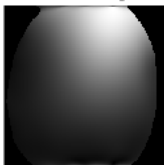
Coil image 7



Coil image 8



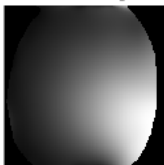
Coil map 1



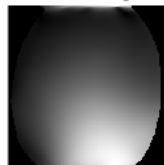
Coil map 2



Coil map 3



Coil map 4



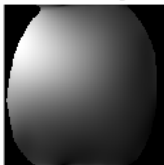
Coil map 5



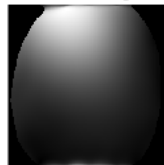
Coil map 6



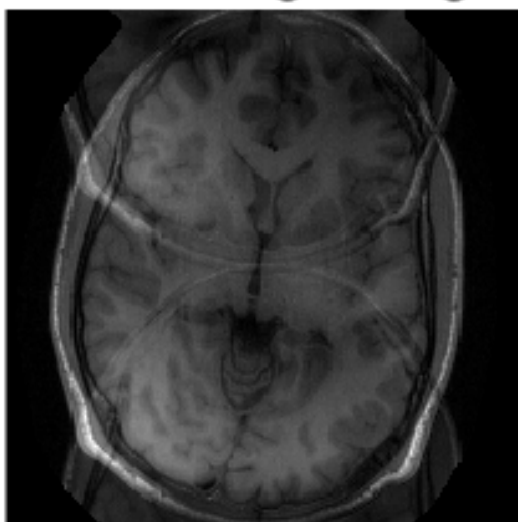
Coil map 7



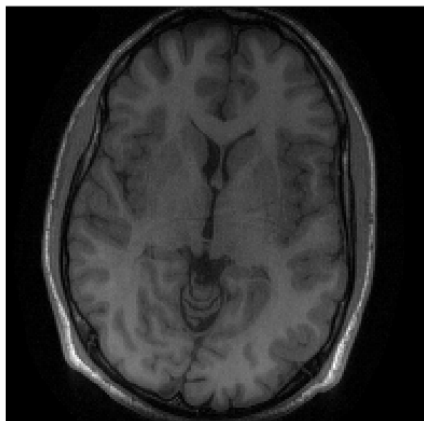
Coil map 8



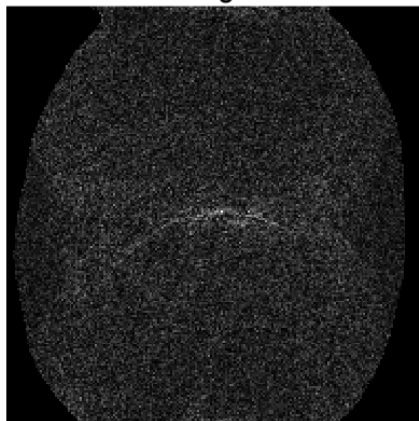
Coil combined image magnitude R=2



SENSE recon R=2



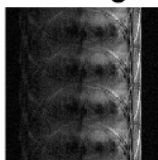
diff image R=2



Coil image 1



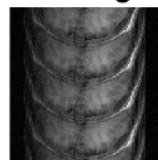
Coil image 2



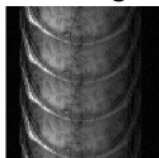
Coil image 3



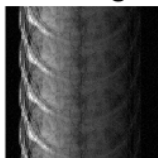
Coil image 4



Coil image 5



Coil image 6



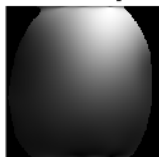
Coil image 7



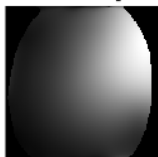
Coil image 8



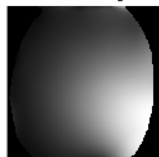
Coil map 1



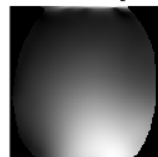
Coil map 2



Coil map 3



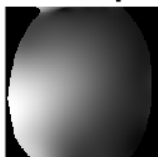
Coil map 4



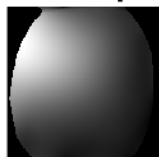
Coil map 5



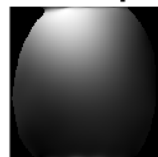
Coil map 6



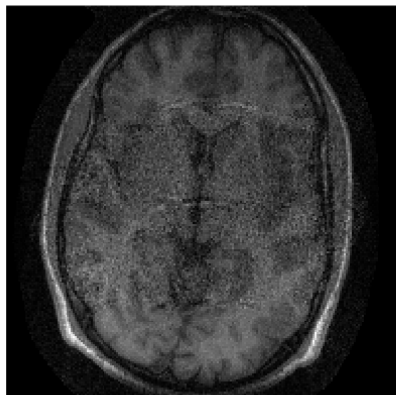
Coil map 7



Coil map 8



SENSE recon R=4



diff image R=4

