

# MRI Simulator Notes

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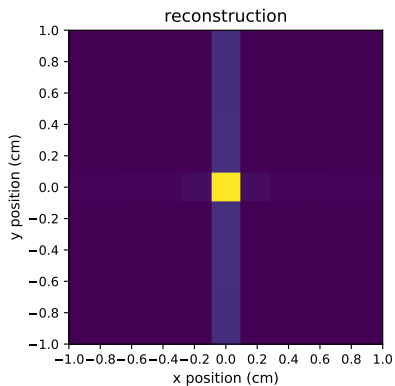
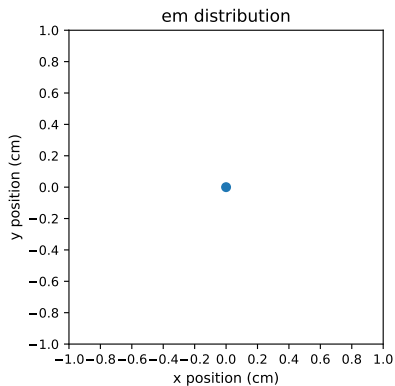
# Tasks

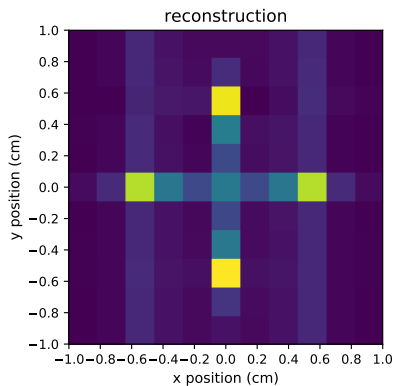
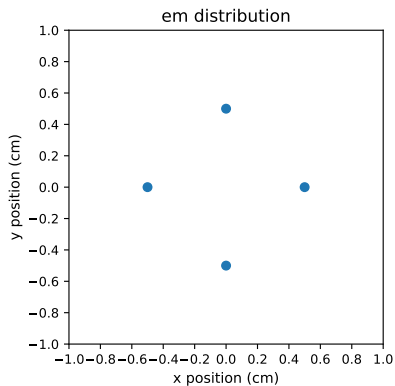
- ▶ I debugged my 2DFT simulation + reconstruction and ran it with a few different em distributions.

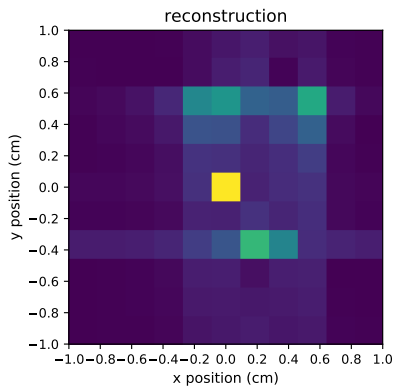
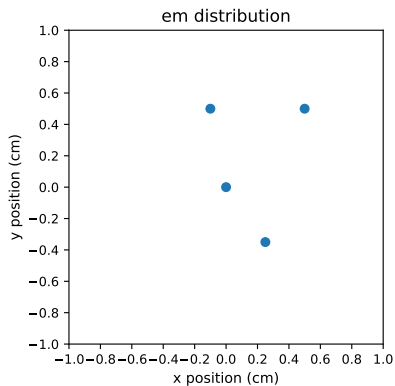
## 2DFT simulation + reconstruction

# Summary

- ▶ I distributed ems in the plane  $z = 0$ , ran the simulation with a 2DFT pulse sequence, and reconstructed the image.
- ▶ The em distributions and corresponding reconstructions are shown in the figures below.







# Comments

- ▶ The images are consistent with the em distributions.
- ▶ I'm not sure why there is asymmetric blurring of the images.
- ▶ Could it have to do with relaxation? I am incorporating relaxation with  $T1 = 10$  ms,  $T2 = 10$  ms,  $TR \approx 50$  ms.