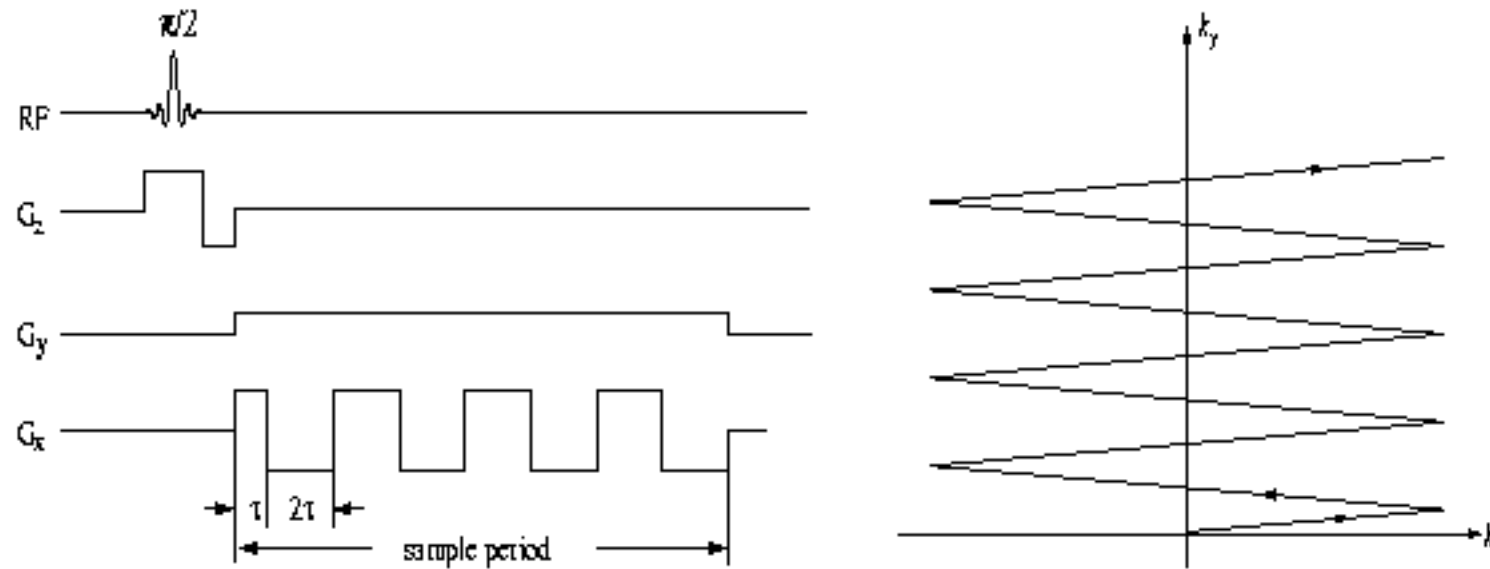


Spin Echo EPI with Zig-Zag trajectory

Presented by: Teena Nandwani (23145534)

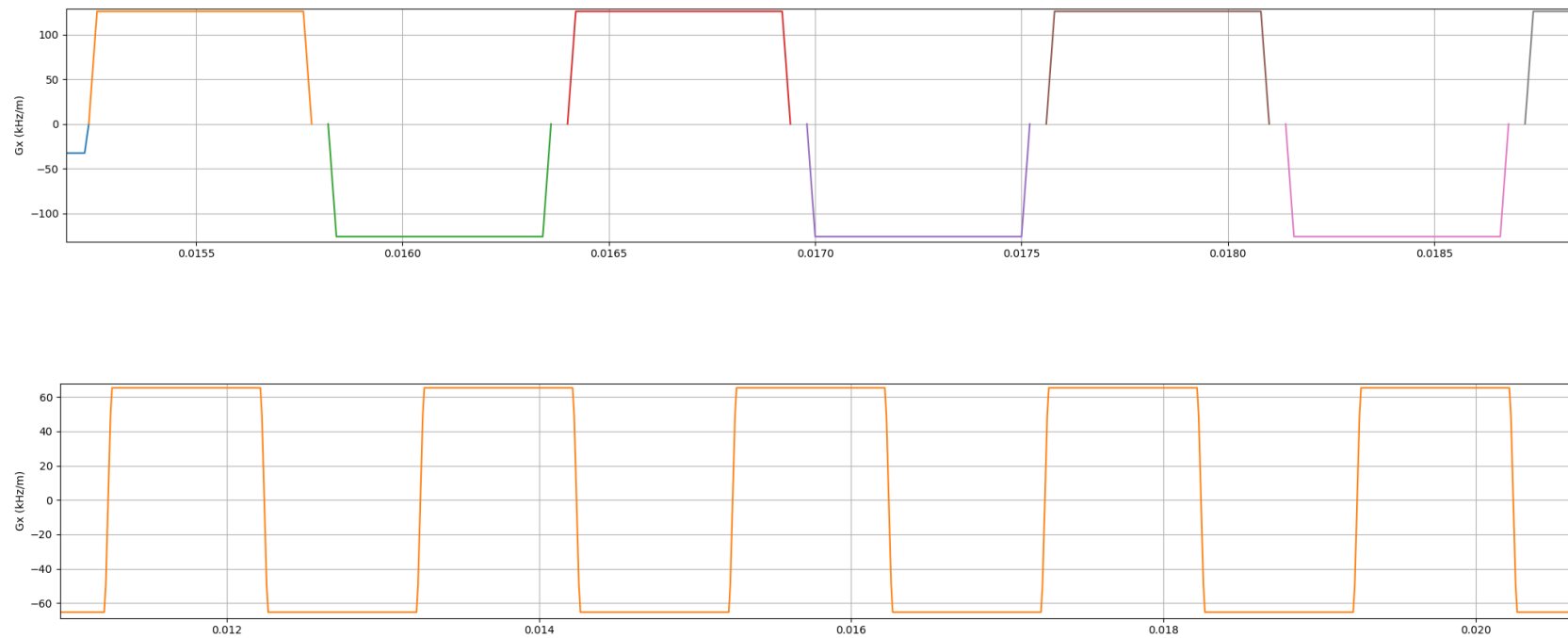
Supervisor: Prof. Dr. rer. nat. Moritz Zaiss



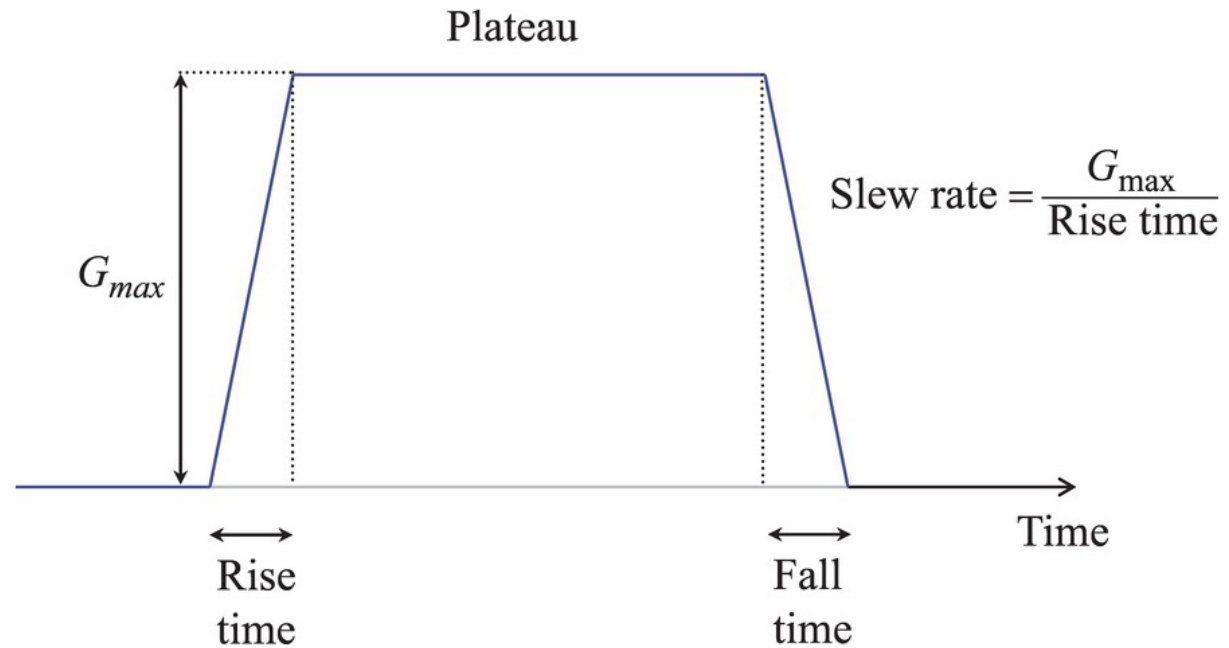
Source: http://mri.beckman.illinois.edu/interactive/topics/contents/fast_imaging/figures/zig.shtml

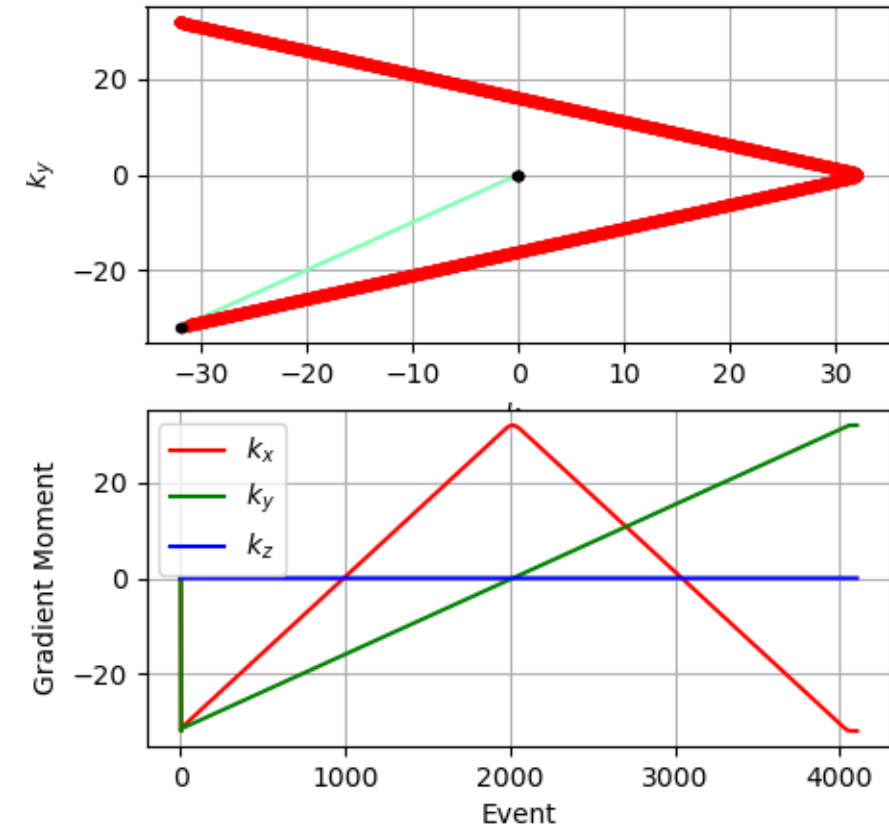
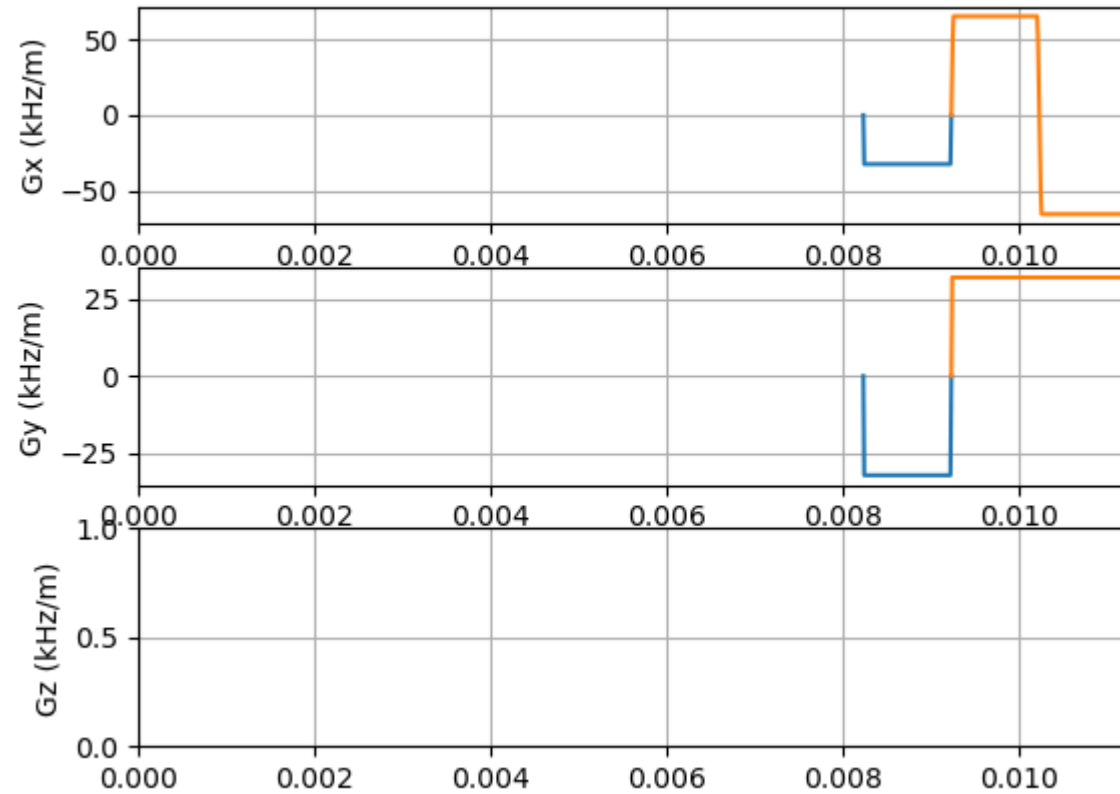
Reduces the time between each gradient

Resulting reduce in readout time - FASTER



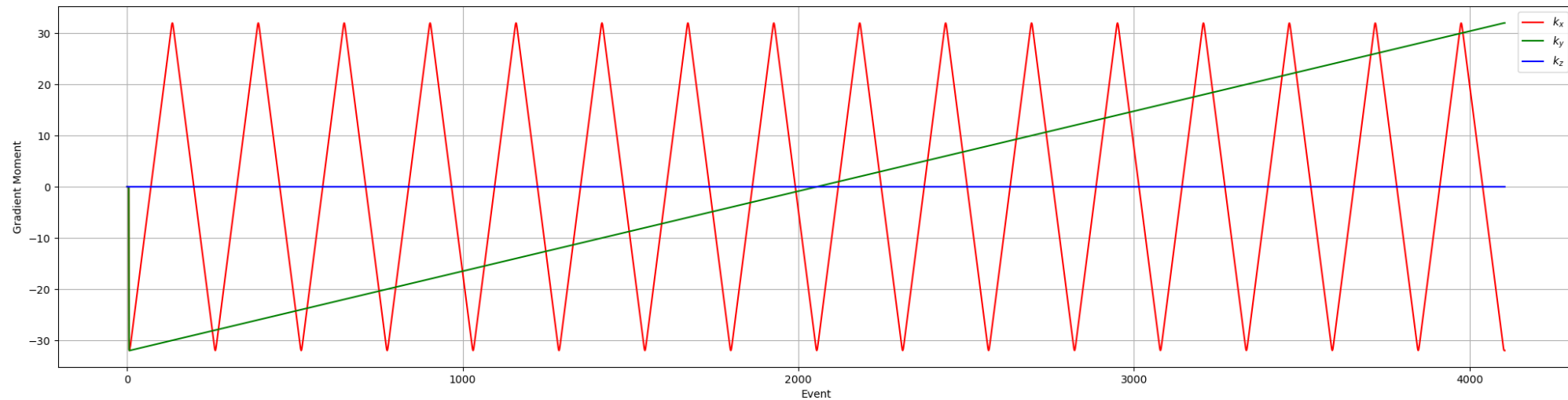
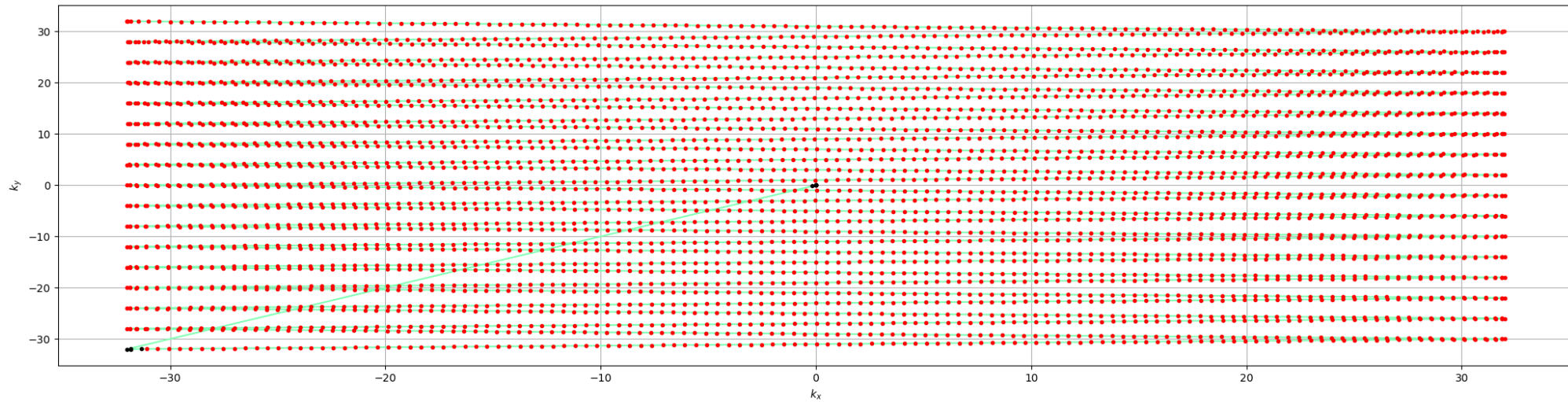
`pp.make_extended_trapezoid(channel, amplitudes, system = system, times)`





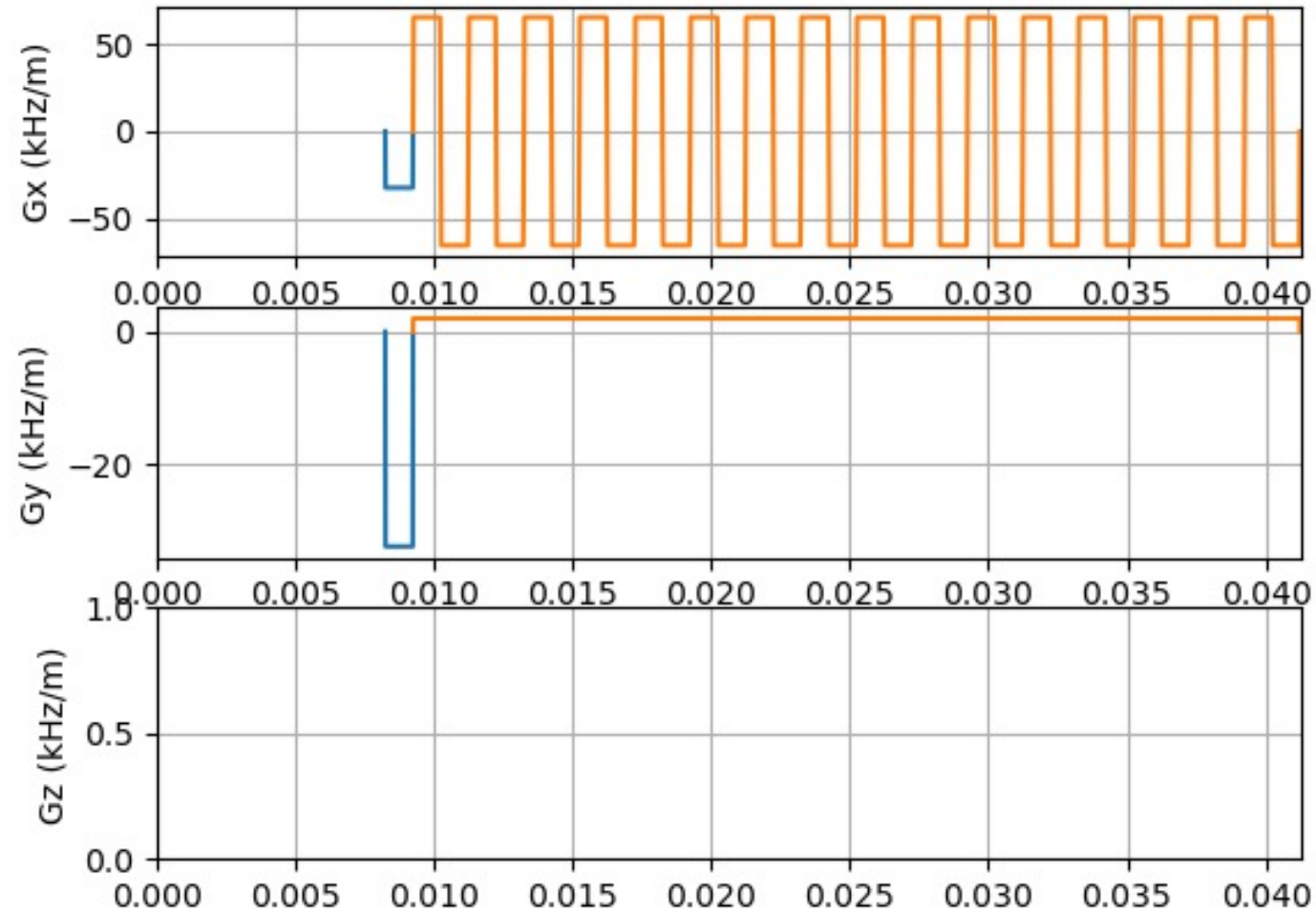
Extended Trapezoids & Zig Zag Trajectory

Less number of wiggles



Extended Trapezoids & Zig Zag Trajectory

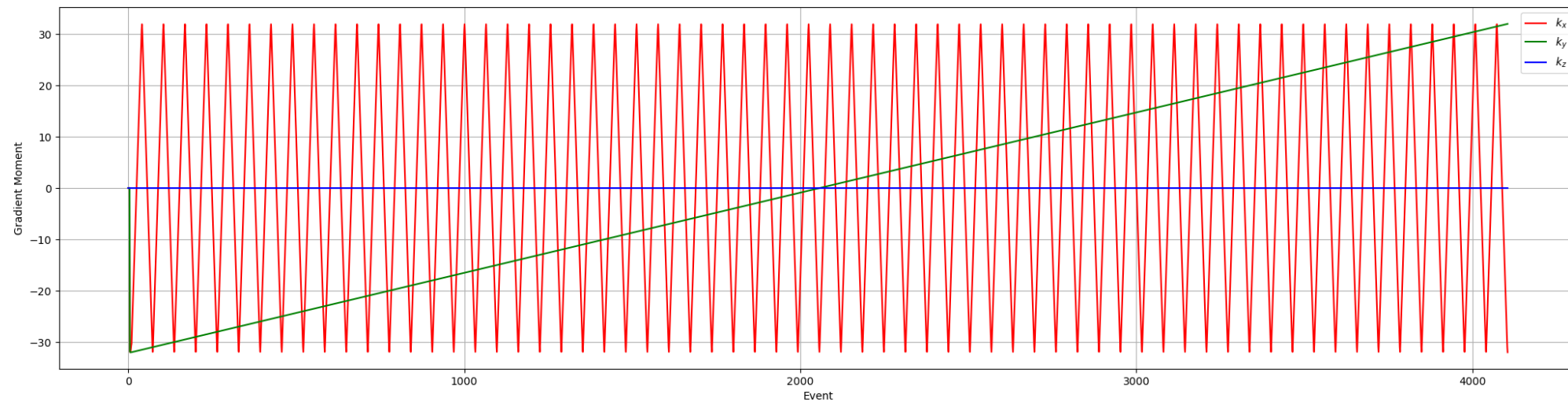
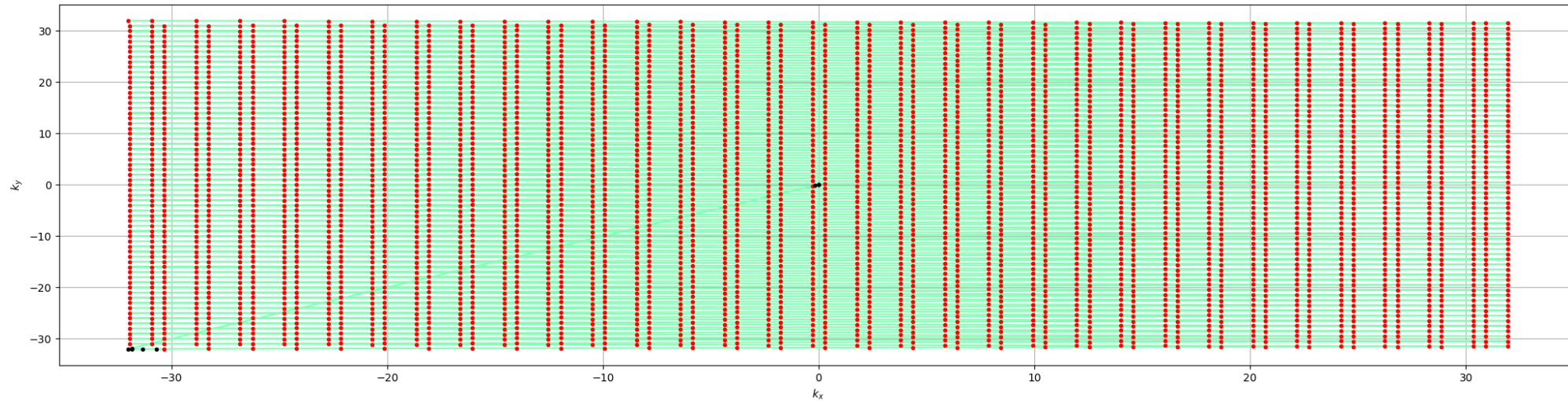
Less number of wiggles

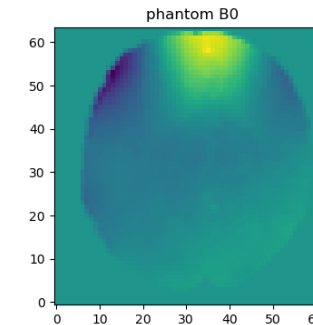
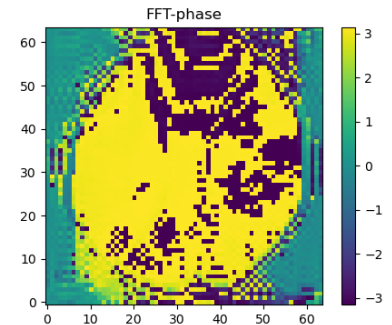
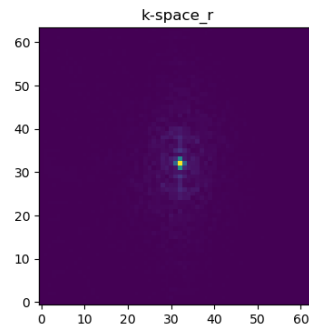
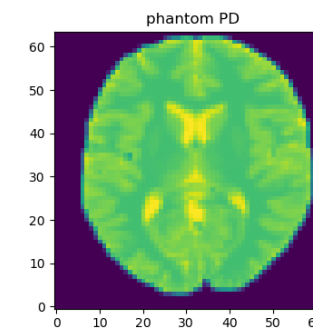
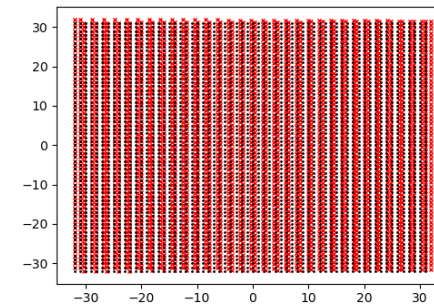
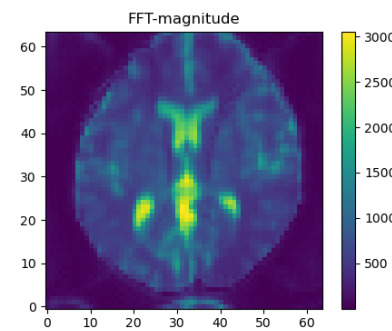
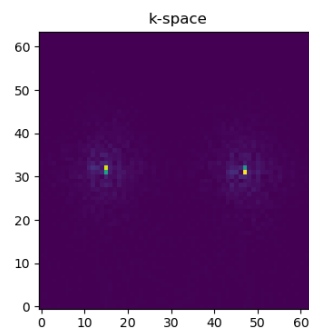
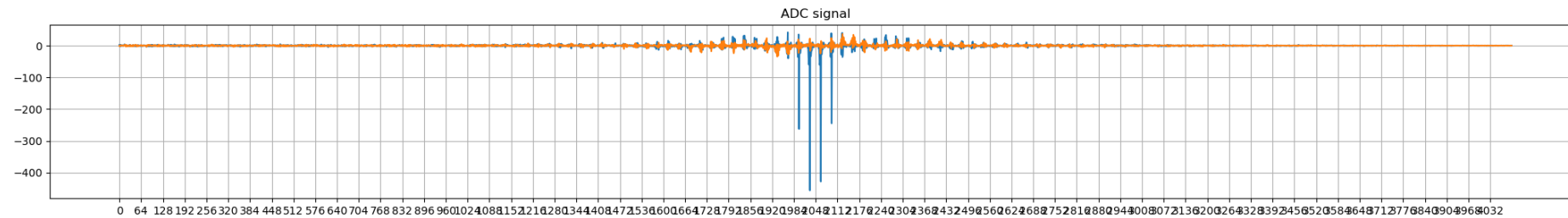


Pulse sequence



K-space trajectory





Thank you for your attention