

Fast MR Imaging Using Sparse Sampling

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Magnetic Resonance Imaging (MRI) is one of the most important imaging modalities in clinic. However, relative slow imaging speed limits its wild applications. Recently, considering the proportional relationship between the number of measurements and scan time, applying compressed sensing to MRI has been extensively explored to accelerate MR imaging by sparsely sampling the measurement space. In this seminar, the speaker will introduce the background of fast MRI and his work in this topic including sparse representation, the combination of compressed sensing and parallel imaging, and the application in MR parametric imaging.