

General

Block and Wieben – Non-Cartesian MRA – book chapter from ‘Magnetic Resonance Angiography - Principles and Applications’, Springer 2012, ISBN: 978-1-4419-1685-3 (Print) 978-1-4419-1686-0 (Online)

Overview Book Chapter – similar to materials covered in class

P Irarrazabal and D. Nishimura – Fast Three Dimensional Magnetic Resonance Imaging, MRM 1995

Considerations for various trajectories

Spirals

C. Meyer et al, ‘Fast Spiral Coronary Artery Imaging’ MRM 1992

An essential paper on spiral MRI

KT Block and J Frahm – Spiral Imaging: A Critical Appraisal, JMRI 2005

Good review on spiral MRI

Radial

D Peters et al, ‘Undersampled Projection Reconstruction Applied to MR Angiography’ MRM 2000

First paper of undersampled radial MRI for full FOV imaging

Propeller

J Pipe, ‘Motion Correction with PROPELLER MRI: Application to head Motion and Free Breathing Cardiac Imaging’ MRM 1999

First paper on PROPELLER

Gridding

J Jackson et al, ‘Selection of a Convolution Function for Fourier Inversion Gridding’, IEEE 1991

More in depth info on gridding and convolution including the frequently used Kaiser Bessel kernel

V Rasche et al, ‘Resampling of Data Between Arbitrary Grids using Convolution Interpolation’ IEEE TMI 1999

More on gridding

H Sedarat and D. Nishimura, ‘On the Optimality of the Gridding Reconstruction Algorithm’, IEEE TMI 2000

Yet even more on Gridding

M. Bydder et al, ‘Evaluation of optimal density weighting for regridding’ MRI 2006

More in depth analysis of density weighting functions