

Mathematical Methods in Parallel MRI

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Magnetic Resonance Imaging (MRI) is an important technique in medical imaging. In this talk I aim to give an introduction to the mathematical background of parallel MRI. After stating the continuous mathematical model for the associated image reconstruction problem I will talk about sampling of the data and discretization of the problem. I will then present some reconstruction algorithms for this problem. In the end I will discuss some of the implicit assumptions of these algorithms.

References

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