



**Vessel Branch Segmentation of Phase Contrast
Vastly undersampled PRejection Magnetic
Resonance Imaging**

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Overview



- **Background**
- **Motivation**
- **Theory**
 - **Phase Coherence Mixture Model**
 - **Discrepancies**
- **Methods**
 - **Segmentation**
 - **Traces**
- **Results**
- **Conclusions**

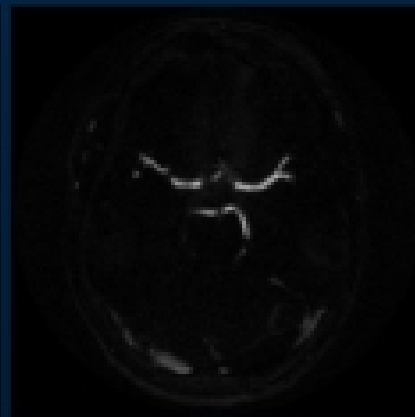
Phase Contrast MR



- **MRI**
 - Fourier encodes atoms of non-zero spin
 - Complex Acquisition
- **Phase Contrast MR**
 - Encoded velocity in phase
 - 5-Images per Acquisition:



^1H Density



Vascular



Velocity A/P



Velocity L/R



Velocity S/I