



## SYSTEM AND METHOD FOR DIFFUSION MAPPING USING PHASEMODULATED MAGNETIC RESONANCE IMAGING

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### The Invention

UW Researchers have developed a novel MRI diffusion mapping method using phase-based diffusion mapping (PBD.) The technique provides a novel way to measure the apparent diffusion coefficient (ADC) of tissue by encoding diffusion weighting into the phase of RF-phase modulated GRE signal. The method enables diffusion measurement with smaller gradient amplitude compared to the conventional diffusion-weighted imaging.

### Additional Information

#### For More Information About the Inventors

- [Scott Reeder](#)

#### Tech Fields

- [Medical Imaging : MRI](#)

For current licensing status, please contact Jeanine Burmania at [jeanine@warf.org](mailto:jeanine@warf.org) or 608-960-9846