



SYSTEM AND METHOD FOR CONTROLLING CONCOMITANT GRADIENT PHASE ERRORS IN CHEMICAL-SHIFT ENCODED IMAGING

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The Invention

A UW-Madison researcher has devised a novel complex fitting method that addresses concomitant gradient (CG) phase errors in chemical shift-encoded (CSE) MRI estimation of proton density fat fraction (PDFF) and $R2^*$ estimation through joint estimation of pass-specific phase terms.

Applications

Proton Density Fat Fraction estimation with 3T MRI

Publications

- [Roberts NT, Hernando D, Panagiotopoulos N, Reeder SB. Addressing concomitant gradient phase errors in time-interleaved chemical shift-encoded MRI fat fraction and \$R2^*\$ mapping with a pass-specific phase fitting method. Magn Reson Med. 2022 Feb 4. doi: 10.](#)

Tech Fields

- [Medical Imaging : MRI](#)

For current licensing status, please contact Jeanine Burmania at jeanine@warf.org or 608-960-9846