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Maximum likelihood estimation of cardiac fiber bundle orientation from arbitrarily spaced diffusion weighted images

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Highlights

- New estimation scheme for local fiber direction in the left ventricle directly from gray values of arbitrarily spaced cardiac diffusion weighted images.
- Does not require voxelwise matching of diffusion data for DT-calculation.
- Considerably better performance than state-of-the art, the curvilinear tensor interpolation.

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