

3D ultrasound file reading and coordinate transformations

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Software

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Summary

The Kretzfile format is used to store 3D ultrasound data from GE Voluson ultrasound scanners. The geometry used in these files is a toroidal coordinate system. We present ITK transformation and utilities to convert Kretzfiles to cartesian coordinates. Previous work (???) has enabled the reading of kretz files and approximate coordinate transformations. This work will enable medical imaging researchers to investigate clinically 3D ultrasound.

References