



SWIFT Software for Bruker MRI Systems

Technology ID

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Provides most recent, user friendly versions of SWIFT (Sweep Imaging with Fourier Transformation) pulse sequence integrated with software allowing a fast local and remote image reconstruction. The University owns the copyright for all code. For information about licensing the software, please visit [CMRR's SWIFT website](#).

Category

Express License

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Benefits and Features:

- Variety of magnetization preparations options to create a different contrasts
- Implemented Look-Locker approaches to collect T1, T1rho, B1 etc. maps in one shot
- The fitting program integrated with reconstruction creates the maps automatically after the data acquisition
- FMRI protocol optimized based on MB-SWIFT
- The package is used by different groups at CMRR and outside of UMN. Feedback from these groups allows continuous optimization and modification of the product.



Phase of Development:

- Software package is ready for use on Bruker MRI scanners
- The SWIFT method is written for ParaVision 360 v 3.5
- The integrated reconstruction software implemented on C/C++ using OpenVnmrj environment
- Researchers interested in using this free software for non-commercial research applications can obtain a license using the "order now" button provided on the right panel of this page

Please contact [Djaudat Idiyatullin](#) for download options