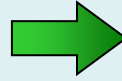


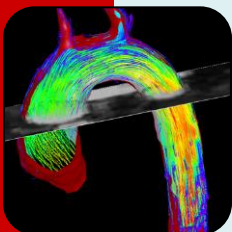


# GyroTools

[www.gyrotools.com](http://www.gyrotools.com)



**New Version 2.2**

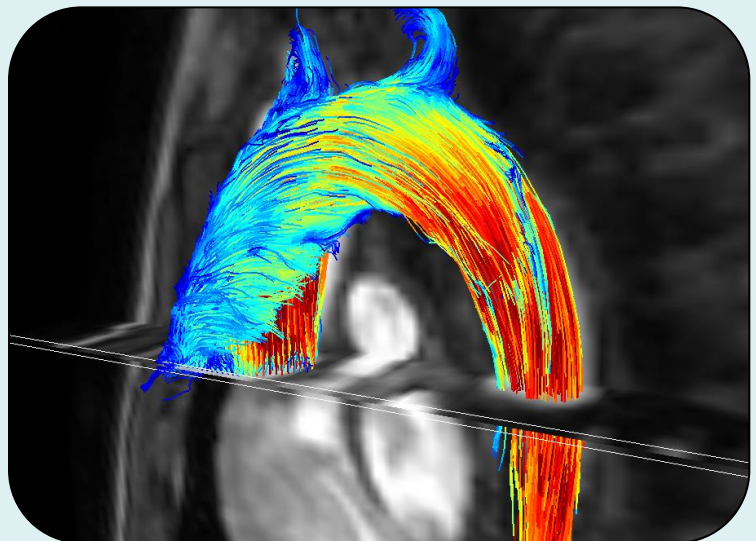


# GTFlow

## Analysis and Visualization for 3D Velocity-Encoded MRI Flow Data

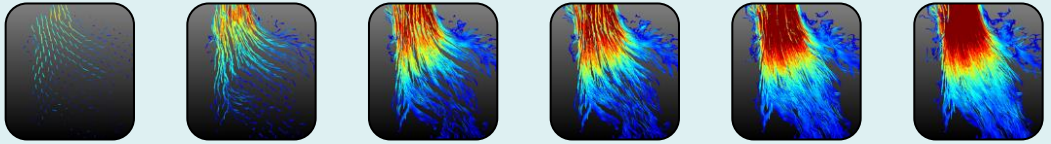
**GTFlow is the premium software solution for visualization, assessment and interpretation of multidimensional MRI phase-contrast flow datasets.**

Combining speed, precision and ease-of-use, GTFlow provides a complete set of features for working with velocity encoded data in one, two, or three encoding directions. Conveniently load, process, and visualize your data and quickly gain insight about all relevant flow characteristics. Communicate your results convincingly with the advanced movie generator and image export features.



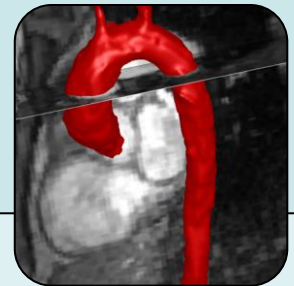
GTFlow is for research use only. It is not intended for use in diagnostic procedures.

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Tel. +41 44 632 3894  
[www.gyrotools.com](http://www.gyrotools.com)



The GTFlow user interface has been carefully designed for easy and rapid interpretation of data as well as for powerful and detailed visualization of velocity fields and flow characteristics. Targeted for clinical research applications, GTFlow is used by researchers worldwide in manifold projects such as:

- cardiac ventricle filling analysis
- functional assesment of myocardial valves
- analysis of flow patterns in aortic disorders like dilatation and aneurysm, stenosis, and dissection
- visualization of congenital heart malformations
- assesment of intracranial aneurysms
- analysis of flow in large cranial veins
- assesment of cerebrospinal fluid flow



## GTFlow Key Features

- Supported input file formats: Philips/Siemens/GE/Varian Dicom, Philips PAR/REC, Ensight case file, JPEG/BMP/TIFF
- Correction for Eddy current induced phase offsets
- Semi-automatic phase unwrapping
- Oblique image reformation
- Synchronized side-by-side display of eg. phase and magnitude image
- Color overlays: through-plane velocity (red/blue ultrasound color scheme), inplane velocity vector arrows, velocity field masks
- Voxel- and ROI-based analysis: max/min/peak/mean/sd velocity, forward/backward/stroke volume, regurgitant fraction, flux
- 3D vector field and streamline representation
- 3D particle tracking and pathlines visualization
- Pathlines metrics: path length, time of arrival, particle count
- Pressure map calculation
- Wall shear stress calculation
- Turbulence kinetic energy module
- Cine mode on all views
- Semi-automatic and manual vessel segmentation
- Vessel wall extraction, 3D surface and volume rendering
- Advanced key-frame editor and movie generator
- Session save and restore



Request and download trial version: [www.gyrotools.com/products](http://www.gyrotools.com/products)

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