

---

**HIGHLY SPECIFIC BUT EDGILY EFFECTIVE DATA-PROCESSING (HI-SPEED) SOFTWARE PACKETS.**

HI-SPEED currently contains packets on

- (1) Nonlinear least squares (NLS) & constrained NLS (CNLS) estimations of the diffusion tensor,
- (2) Error propagation via diffusion tensor representations, and the elliptical cone of uncertainty and its normalized measures for diffusion tensor imaging (DTI),
- (3) Analytical two- and three- dimensional MRI (Shepp-Logan) phantom in both the Fourier and image domains,
- (4) Probabilistic identification and estimation of noise (PIESNO) in MRI, and
- (5) MR signal and noise analysis.

---

**NON-PROPRIETARY SOFTWARE TRANSFER AGREEMENT**

Provider: Section on Tissue Biophysics and Biomemetics (STBB), National Institute of Child Health and Human Development (NICHD), National Institutes of Health

Definition: The term “Software” throughout this agreement means the codes/programs which run the above mentioned packets.

By accepting Software, Recipient agrees to the terms of this Agreement. The Software transferred under this agreement was created by Federal Government employees in the course of official duties. Transfer of Software to Recipient does not constitute endorsement by the Provider of the Recipient or any product, service or company and no endorsement should be inferred.

**SOFTWARE IS NOT INTENDED FOR TREATING OR DIAGNOSING HUMAN SUBJECTS.**

Software is supplied AS IS, without any accompanying services or improvements from NIH. SOFTWARE IS SUPPLIED TO RECIPIENT WITH NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Provider makes no representations that the use of Software will not infringe any patent or proprietary rights of third parties.

All risk as to quality and performance of Software is with Recipient. In no event will the United States Government or Provider be liable to Recipient for damages arising out of the use or inability to use Software, including but not limited to loss of data or data being rendered in accurate or losses sustained by Recipient or third parties. Recipient will send to Provider general reports regarding the application of the Software and the effectiveness and problems encountered in using the Software, without disclosing Recipient's confidential information. Information from general reports may be used by the Provider to enhance the capabilities of the Software. Reports can be forwarded to the Provider at the following address: [quankoac@mail.nih.gov](mailto:quankoac@mail.nih.gov) or [cgkoay@uwalumni.com](mailto:cgkoay@uwalumni.com).