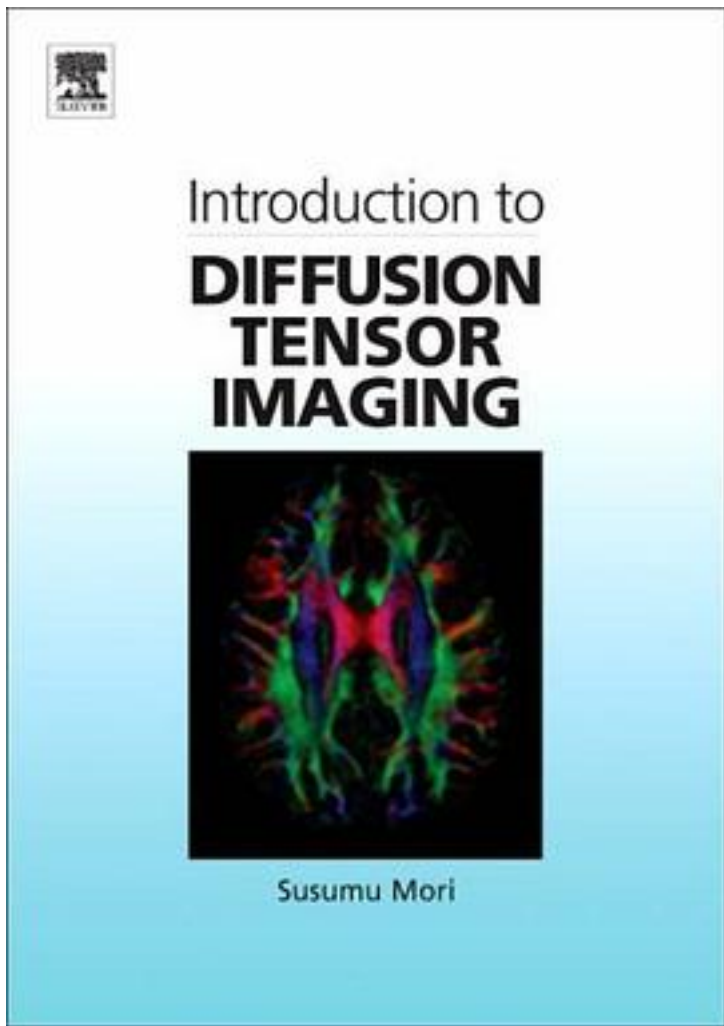


Introduction to Diffusion Tensor Imaging



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Description

The concept of Diffusion Tensor Imaging (DTI) is often difficult to grasp, even for Magnetic Resonance physicists. Introduction to Diffusion Tensor Imaging uses extensive illustrations (not equations) to help readers to understand how DTI works. Emphasis is placed on the interpretation of DTI images, the design of DTI experiments, and the forms of application studies. The theory of DTI is constantly evolving and so there is a need for a textbook that explains how the technique works in a way that is easy to understand - Introduction to Diffusion Tensor Imaging fills this gap.

- * Uses extensive illustrations to explain the concept of Diffusion Tensor Imaging
- * Easy to understand, even without a background in physics
- * Includes sections on image interpretation, experimental design and applications

Audience

The book is targeted toward students (with Biology and Medicine major), researchers (in Radiology, Neurology, Psychology, Psychiatry, Geriatric, Paediatric and Neuroscience), and clinicians with or without a background in physics.

作者介绍:

Susumu Mori, Ph.D.

Susumu Mori is an Assistant Professor at Johns Hopkins University School of Medicine in the Department of Radiology. He holds active tenure at Kennedy Krieger Institute working in the F.M. Kirby Research Center for Functional Magnetic Resonance Imaging.

Biographical Sketch:

Dr. Mori received his bachelors and masters degree from Tokyo University of Fisheries. In 1996, he received his doctorate from Johns Hopkins University in Biophysics. He also completed his post-doctoral fellowship at Johns Hopkins.

Dr. Mori is an Assistant Professor at Johns Hopkins University School of Medicine in the Department of Radiology.

Research Summary:

Dr. Mori's research interests to develop new MRI technologies to study brain neuroanatomy. His recent works include diffusion tensor imaging and microimaging to study brain white matter diseases and brain development.

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标签

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