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[Essentials of Functional MRI: Basic Concepts to Advanced Applications 2nd Edition](#)

"Essentials of Functional MRI: Basic Concepts to Advanced Applications, 2nd Edition" by H. Mark A. M. van der Veen is a comprehensive guide that bridges the gap between theoretical foundations and clinical practice in the rapidly evolving field of functional magnetic resonance imaging (fMRI). Published by Wiley-Blackwell, this edition emphasizes the essential principles that underpin fMRI technology while providing a thorough exploration of its advanced applications in neuroscience, psychology, and clinical diagnostics. The book covers a variety of topics including the physiological basis of fMRI signals, experimental design, data acquisition, and statistical analysis, along with discussions on the latest advancements in the field. With clear explanations and practical insights, it serves as an invaluable resource for both newcomers and experienced practitioners who aim to deepen their understanding of fMRI. The second edition incorporates the most current research findings and technological developments, ensuring that readers are well-equipped to navigate the complexities of this cutting-edge imaging modality. Enhanced with illustrations and case studies, it offers readers practical tools to apply in real-life scenarios. Whether you are a researcher, clinician, or student, "Essentials of Functional MRI" will empower you to unlock the potential of fMRI in both research and clinical settings. The book's ISBN is 978-1119568854, making it easy to locate. Dive into an essential resource that not only informs but also inspires innovation in the field of functional neuroimaging.