

Preface

Digital signal processing (DSP) techniques, like Radon transformation, Projection techniques, Fourier transformation in polar form, Hankel transformation, etc., are used in Medical imaging techniques like Computed Tomography (CT) and Magnetic Resonance Imaging (MRI) during the process of imaging. These are not usually covered in the regular DSP and Image processing books. This book is written with the intention to focus the DSP aspects used during the process of imaging in CT and MRI. Also, DSP aspects used in the post imaging techniques such as Image enhancement, Image compression and pattern recognition are also discussed in this book. The Matlab illustrations are given for better understanding. This book is suitable for beginners who are doing research in Medical imaging processing.



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Matlab

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