Applications of Digital Image Processing XLI

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Digital image processing is a part of signal processing where we processes digital images using computer algorithms. The computer algorithms can be modified so that we can also change the appearance of the digital image easily and quickly. Digital image processing has numerous applications in different studies and researches of science and technology. Some of fields that use digital image processing include: biological researches, finger print analysis in forensics, medical fields, photography and publishing fields, astronomy, and in the film and game industries. Digital image processing has f 'Digital Image Processing succeeds in being an accessible but rigorous first course in the generation and manipulation of medical images. Dougherty moves seamlessly between gamma rays, radiation doses, picture archiving strategies, Boolean logic, Fourier transforms, and applications like mammography and angiography. â€¦ The chief strengths â€¦ are its clear and well-considered organisation, its accessibility to a wide variety of audiences, and its applicability to an array of imaging modalities and techniques. The book also has wonderful illustrations, particularly of how to enhance images in Interest in digital image processing methods stems from two principal applications areas. Improvement of pictorial information for human interpretation and, processing of image data for storage, transmission and representation for autonomous machine perception. In this section we will deal with issues like what is image processing, exactly, what is the force that is driving image processing innovative applications of image processing and problems faced by image processing. We shall see how image processing is bringing a drastic change in the fields of top microscopy, military, industries a