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STILL IMAGE COMPRESSION USING DISCREET WAVELET TRANSFORM

By Jayanth J

LAP Lambert Acad. Publ. Jul 2011, 2011. Taschenbuch. Book Condition: Neu. 220x150x5 mm. This item is printed on demand - Print on Demand Neuware - Image data compression comes under the category of digital image processing. Image compression is the method of effectively coding digital images to reduce the number of bits required in representing an image. The purpose of doing so is to reduce the storage and transmission costs while maintaining good quality. There are two methods of compression, Lossy compression and Lossless compression. With the increasing use of multimedia technologies, image compression requires higher performance as well as new features. To address this need in the specific area of still image encoding, a new standard is used, the JPEG2000. It is interesting to note that JPEG2000 is being designed to address the requirements of a diversity of applications, e.g. Internet, color facsimile, printing, scanning, digital photography, remote sensing, mobile applications, medical imagery, digital library and E-commerce. We have implemented the basic architecture of the JPEG2000 using Matlab. It can be used for both gray-scale and color images 80 pp. Englisch.



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