Patient Information Robust Water Marking on Medical Image Using the Chaos Function

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In this thesis proposed a system based on chaotic function and DCT for medical image watermarking. Image was collected two database of skin cancer and fondus image for diabetic retinopathy. Proposed approach evaluated for deferent beat rate between 1 to 8 that at the end in the best PSNR is 51dB. In this system the effect of noise on system was calculated that in which at beat rate between 5 to 8 the masked image can be recovered.

Keywords : watermarking, chaotic function, DCT