PROTECTING COPYRIGHT INFORMATION THROUGH INFORMATION HIDING TECHNIQUES

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In the age of technology, copyright information is a vital component to organizations or individuals that utilizes the Internet as means of productivity and communication. Unfortunately, this type of information is public and any individual can alter or falsify the information to commit negative actions. This research project analyzes different information hiding techniques that involves the use of steganography and digital watermarking to embed messages in a digital image without a visual difference and without harming the image. The procedure is to encode the message utilizing a hashing function that will return a location (i, j, k) based on a generated key that will be utilized to provide a collision-free distribution among the image. This technique will result on an image I' that will be visible publicly, but the embedded message will be retrieved only and only if the other party contains the key.