Upgraded Copy – Paste Intrusive Detection Technique for Digital Images

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Abstract: Digital images are powerful and widely used communication medium in many fields like medical imaging, digital forensics, surveillance, journalism, etc. The availability of sophisticated digital image technology has given rise to image forgery. The forgeries are very difficult for a human eye to detect. Passive intrusive detection method aims to detect the tampering areas in the digital images without any prior knowledge of the original images. The available intrusive detection technique uses 8 x 8 blocks to detect the tampered region. However, all the pixels involved in the block are not compared, which again leads to a forgery. To mitigate these effects, a new progressive copy-paste intrusive detection technique is proposed. Experimental result shows that the proposed technique overcomes the foresaid technique which enhances the intrusive detection method.