A UNIFIED FRAMEWORK OF MULTIMEDIA FINGERPRINTING USING DIGITAL WATERMARKING

SIRSENDU SARBAVIDYA¹ AND SUNIL KARFORMA²

Research Scholar, Department of Computer Science, University of Burdwan Near Kamar Pukur, P.O. – Dankuni, Hooghly – 712311, West Bengal, India
Associate Professor, Department of Computer Science, University of Burdwan Department of Computer Science, Golapbag, Burdwan, West Bengal, India

Abstract

Fingerprints are properties of an object that tend to distinguish it from other similar objects. Multimedia fingerprints are unique labels that are inserted in different copies of the same content before distribution. They have various applications but the most important one is to enable the owner to trace authorized users who are distributing the information illegally. For providing security to multimedia content, fingerprints are embedded with the help of conventional digital watermarking techniques which are robust against different kinds of attacks generated by an individual. In this paper, we examine various methodologies of multimedia fingerprinting and present a unified framework with the help of digital watermarking which are capable enough to identify traitors.

Keywords: Attacks, Digital Watermarking, Fingerprint, Multimedia Fingerprinting, Traitor Tracing, Unified Framework.

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