Analysis of Boneh-Shaw Finger Printing Codes under Majority Value Collusion Attacks

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 167
Number 3

Year of Publication: 2017

Authors:
Alok Tripathi, Rajiv Pandey

10.5120/ijca2017914195

Abstract

Lot of research has been done in the previous years to deal with threat of collusion attacks on finger printing codes. Digital fingerprints are code inserted in the media contents before distribution. Each fingerprinting code is assigned to an intended recipient. This fingerprinting code is used to track the culprit in case of illegal distribution of media contents by users. It is now possible for a group of users with different printing codes of the same content to collude together and collectively mount attack against fingerprints. Thus collusion attack poses a real challenge to protect the copyright of digital media. This paper presents an analysis of Boneh-Shaw finger printing codes under Majority Value collusion attacks.

References


Index Terms

Computer Science                      Security

Keywords

Digital Water Marking, Digital Fingerprinting, Collusion Attack, Boneh-Shaw Finger printing Codes