

This work examines the visual cryptography, which was introduced in 1995 by Moni Naor and Adi Shamir. It is a cryptosystem which allows us to share a secret among many users and reconstruction of secret can be done by human visual system only. Firstly, the relevant notations are defined and related theorems are proved. Additionally, some basic schemes and a general (k, k) -scheme are described. Main part of this work consists of an algorithm for creating general (k, n) -scheme. For every scheme, we prove its security and reconstruction correctness. Finally, we briefly mention a few possible extensions.