

VDGMSISS: A Verifiable and Detectable Multi-Secret Images Sharing Scheme with General Access Structure

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Abstract : A secret image sharing scheme is a way to protect images. The main idea is dispersing the secret image into numerous shadow images. A secret image sharing scheme can withstand the impersonal attack and achieve the highly practical property of multiuse is more practical. Therefore, this paper proposes a verifiable and detectable secret image-sharing scheme called VDGMSISS to solve the impersonal attack and to achieve some properties such as encrypting multi-secret images at one time and multi-use. Moreover, our scheme can also be used for any genera access structure.

Keywords : multi-secret image sharing scheme, verifiable, de-tectable, general access structure

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