

ENHANCEMENT OF SECURITY FEATURE IN GRAPHICAL PASSWORD AUTHENTICATION

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ABSTRACT

The notion of the paper is to provide an efficient and secure graphical password system with the use of colour images. The images will be the base for the password scheme for the users. The two main features of graphical passwords are usability and security while designing any graphical approach. Hence we need to maintain a balance between both the features. On the basis of the study of the previous algorithms we have analyzed the security features of the algorithms, we added the concept of graining (adding noise to the image) and processed the image using variation in the RGB colour scheme of the image along with rotation and resizing scheme used earlier[1]. Here the images will be concatenated along with the text to enhance the security feature of the approach and this concatenation of the text will serve against shoulder surfing attack.

KEYWORDS: Graphical Password, Graining, RGB Colour Scheme, Recognition Based, Password Entropy