

117. CAPTCHA AS GRAPHICAL PASSWORD-PIXEL BASED PATTERN RECOGNITION SYSTEM

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Graphical password is one of the alternative solution to alphanumeric password as it is very tedious process to remember alphanumeric password. One of the major reason behind this method according to psychological studies human mind can easily remember images than alphabets or digits by presenting a new security primitive based on hard AI problem namely a novel family called as Captcha as graphical passwords (CaRP). CaRP can supports both Captcha and a graphical password scheme which is click-based graphical passwords provide authentication and addresses a number of security problems altogether, such as online guessing attacks, relay attacks, and, if combined with dual-view technologies, shoulder-surfing attacks. where a sequence of clicks on an image is used to derive a password for improving online security.

Index Terms— Graphical password, password, CaRP, Captcha, dictionary attack, password guessing attack, security primitive.

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