

A Framework to analyze the security of Text based CAPTCHA

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ABSTRACT

CAPTCHA stands for Completely Automated Public Turing Test to Tell Computer and Human Apart. It is the test that human can pass easily but computer cannot. For example, humans can read distorted text, but current computer programs cannot. For many years, CAPTCHAs have proven very useful for many reputable, Web-based email and application service providers, including social networking sites and online auction sites, for the purpose of deterring automated registration. This paper proposes the framework for CAPTCHA strength measurement under which an algorithm for CAPTCHA solver is implemented. The strength of CAPTCHA in turn will determine the security of CAPTCHA. The results shows that the CAPTCHA can be broken and security of text based CAPTCHA can be analyzed.

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