Abstract

CAPTCHA is a mechanism to protect the website from malicious programs called bots. The ability of humans to discern distorted characters and to correctly feed them into the computer distinguishes them from bots. With advent in artificial intelligence, the current CAPTCHA mechanisms have developed various flaws. This paper elaborates on the various CAPTCHA mechanisms, their flaws and proposes an alternative technique that uses skin detection to verify human presence.

References

Index Terms

Computer Science

Pattern Recognition

Keywords

CAPTCHA, web security, skin detection, sensors, artificial intelligence, human presence.