



ELECTRODERMAL ACTIVITY-BASED FEASIBILITY STUDY ON THE RELATIONSHIP BETWEEN ATTENTION AND BLINKING

Ryuichi Yoshida¹, Tsugunosuke Sakai¹, Yuki Ishi¹, Tomohiro Nakayama¹, Takeki Ogitsu¹,
Hiroshi Takemura¹, Etsuji Yamaguchi², Shigenori Inagaki²,
Yoshiaki Takeda², Miki Namatame³, Masanori Sugimoto⁴, Fusako Kusunoki⁵, Hiroshi Mizoguchi¹

¹Department of Science and Technology, Mechanical Engineering,
Tokyo University of Science, 2641 Yamazaki, Noda-shi, Chiba, Japan

²Graduate School of Human Development and Environment,
Kobe University, Yayoigaoka 6, Sanda-shi, Hyogo, Japan

³Faculty of Industrial Technology,
Tsukuba University of Technology, 4-3-15, Amakubo, Tsukuba, Ibaraki, Japan

⁴Graduate School of Information Science and Technology,
Hokkaido University, Kita 15, Nishi 8, Kita-ku, Sapporo, Hokkaido, Japan

⁵Department of Information Design,
Tama Art University, 2-1723, Yarimizu, Hachioji, Tokyo, Japan

Emails: 7514651@ed.tus.ac.jp, j7511046@ed.tus.ac.jp, j7513605@ed.tus.ac.jp,
j7513632@ed.tus.ac.jp,

ogitsu@rs.tus.ac.jp, takemura@rs.noda.tus.ac.jp, etuji@opal.kobe-u.ac.jp, inagakis@kobe-u.ac.jp,
takedayo@kobe-u.ac.jp, miki@a.tsukuba-tech.ac.jp, sugi@ist.hokudai.ac.jp, kusunoki@tamabi.ac.jp,
hm@rs.noda.tus.ac.jp

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Abstract—Various factors are believed to cause blinking. One of these factors is attention. However, the relationship between blinking and attention has not yet been elucidated. In this study, we focus on electrodermal activity (EDA) to demonstrate this relationship. EDA is an electrical phenomenon involving the glandular releasing of sweat that is caused by mental excitement or strain. We employ EDA to quantify attention as a means to elucidate the blinking–attention relationship. We conduct an experiment based on EDA and present the results to verify this relationship.

Index terms: Skin conductance level, skin conductance response, procuring method, blink rate.