

Error Prevention Effects of Point and Call Checks

Takayuki MASUDA Masayoshi SHIGEMORI Ayanori SATO
Shigeru HAGA

Point and Call checks (P&C Checks) is broadly used in various industrial fields in Japan. Several studies have demonstrated that the P&C Checks has error prevention effects experimentally, but the error prevention mechanisms of P&C Checks have not been verified sufficiently. Therefore we experimentally investigated the following five error prevention effects: (1) eye fixation with pointing, (2) memory enhancement with calling, (3) error awareness with calling, (4) arousal with pointing and calling, (5) delay of responses with pointing. The results of the experiments indicated each error prevention effect.