Load variables in information processing.
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AB Investigated the effects of presentation rate, number of stimulus channels, and length of stimulus runs on an operator's information processing accuracy. 30 male graduates and undergraduates responded to visual stimuli by depressing a pushbutton. Stimuli were combinations of 4 shapes and 3 colors presented at rates of 1, 1.25, and 1.50 sec/stimuli. The stimuli were presented on 2 or 4 channels and the runs consisted of 25, 50, and 100 successive stimuli. S is conceptualized as an information channel in which the central mediating processes of encoding and decoding are the principal operations in information processing.