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# Diagnostics of the Emotional Significance of Unconscious Visual Stimuli by Human Physiological Reactions: Theory and Applications

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## Abstract

The research has two objectives: (1) analyzing the main approaches to the study of unconscious perception; (2) examining the results of the experimental study of the possibility to determine the emotional significance of unconscious visual stimuli by the dynamics of human physiological reactions. The method of psychological experiment serves as the main scientific method. The unconscious perception is defined as a form of a person's direct psychical reflection of reality conditioned by such stimuli, the effect of which cannot be realized by the subject. As a result, we can conclude that it is possible to experimentally diagnose the subjective significance of an unconscious visual stimulus (photograph) for a person by analyzing the galvanic skin response of the human body recorded by a computer polygraph. Besides, we suggest using the mechanism of unconscious perception in crime investigation.

## Keywords


Unconscious perception

Significance of the stimulus

Physiological reactions

Computer polygraph

Crime investigation

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