
Studies of sensorimotor serial action: *status quo*

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Overview of major foreign and domestic procedures and results of experimental studies of sensorimotor serial action. Foreign works consider three areas - behavioral, neuro-physiological and modeling present. In behavioral direction are three «mainstream» experimental paradigm: fast printing a set of stimuli (usually - words); $2 \times N$ (sequences of several paired stimuli); serial reaction time (SRT); learning discrete series of stimulus (DSP); learning discrete and continuous movements in manual tracking specified routes. Some of the neuro-physiological data which are consistent with the data of behavioral experiments presents. Summarizes the main components and properties of one of the latest models of serial behavior - N-STREAMS. It is noted that the results of the domestic (albeit few) studies of the sensorimotor series of actions is largely consistent with the data of foreign authors.

Keywords: serial action, sensorimotor skill learning, sequence segmentation, anticipation, positional effect, serial reaction, reaction time, manual tracking.

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