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[STMAZ 0543.68069 Meybodi, M.R.; Lakshmivarahan, S.](#)



On a class of learning algorithms with symmetric behavior under success and failure. (English)

Mathematical learning models - theory and algorithms, Proc. Conf., Bad Honnef/Ger. 1982, Lect. Notes Stat. 20, 145-155 (1983).

[For the entire collection see Zbl 0517.00013.] The aim of this paper is to introduce and to study a new general class of learning algorithms: absorbing barrier algorithms of the reward-penalty type with identical behaviour under the occurrence of success and failure; conditions are obtaining for strong absolute expediency (original concept) and for $\$$ $\$$ -optimality of these algorithms. The paper is of interest in mathematical psychology and in learning automata theory and mathematical statistics.

Reviewer: [L.Olaru](#)

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