

AN ALGORITHM TO DECIDE THE LINEAR SEPARABILITY

Lucian Mircea SASU¹

Abstract: *The paper presents a new algorithm that solves the linear separability problem. Although the well-known perceptron deterministically learns a separating hyperplane, there are some issues that are solved with our algorithm, based on fundamental results from computational geometry.*

Key words: *linear separability, incremental learning, single layer perceptron, convex hull.*

* Transilvania University of Brasov.