

CLASSIFICATION MODEL FOR MICROPHONE TYPE RECOGNITION

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Abstract: *This paper presents a classification model for microphone type recognition in photoacoustic experiment. The classification model is obtained by applying a multilayer perceptron network on a large dataset of simulated experimental values. The model satisfies the basic requirements of a photoacoustic experiment: accuracy, reliability and real time operations.*

Keywords: *Classification, photoacoustics, microphone, machine learning, MLP*