

A.C.Salas, A.Tchernykh. "Fuzzy recognition of noncompact musical objects". *Orlando'97 Symposium. Optical Pattern Recognition VIII conference*, SPIE Proceeding Editor(s): David P. Casasent, Tien-Hsin Chao, CA, USA. Vol. 3073, p. 458-468, 1997

This article describes and compares some techniques to extract attributes from black and white images which contain musical objects. The inertia moment, the central moments and the wavelet transform methods are used to describe the images. Two supervised neural networks are applied to classify the images: backpropagation and fuzzy backpropagation. The results are compared.