

In the work suggested a modification of the normalization method of the reference signal "on the level" for the classification of two-dimensional signals (images). The algorithm method and its software implementation, conducted normalization images of various types from different functions Hadamard transform and cosine transform. Past calculations showed great sensitivity in the classification signals (images) of a class (under certain distortions and additive noise) and high reliability when calculating the "distance" between signals of different classes.