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**LUMINANCE COMPARISON AMONG THE FACE OF THE
MAN OF THE SHROUD AND THE RESULTS OF EXPERIMENTS**

Abstract

This work considers 3 different b/w photos of the facial image of the Turin Shroud and compares them with 4 b/w photos obtained from different experiments: they are the results of the work done by Pesce Delfino, Nickell, Judica Cordiglia and Moroni.

The analysis is done to evidence possible densitometric differences, with respect to the facial image of the Turin Shroud, existing in the copies considered.

After the normalization of each digitized image, the areas corresponding to different classes of gray levels band were evidenced in order to show the tridimensional information correlated to the face-sheet distance.

The main result is that both Pesce Delfino and Nickell images show a very high percentage of saturated pixel correlated to large areas of face-sheet non contact.