5. Simulations

Figure 1: Original Image.

Figure 2: Image with $p = 30\%$ additive noise.

Figure 3: Hierarchical Restauration with $k = 4$, $K = 7$ and a total of $l = 9$ levels.

Figure 4: Hierarchical Restauration with $k = 6$, $K = 7$ and a total of $l = 9$ levels.

Figure 5: Hierarchical Restauration with $k = 6$, $K = 7$ and a total of $l = 9$ levels without linear averaging part. Nonclassified areas are shown in grey.

Figure 6: Linear averaging restauration using level $k = 6$, i.e. a moving window of 8×8 pixels.

Figure 7: Linear averaging restauration using level $k = 5$, i.e. a moving window of 16×16 pixels.