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Notations and Abbreviations

b Number of bits to represent a sample value

$C_m$ sub multi set of P that consists of sample pairs drawn from cover signal and whose values differ by $m$ in the first (b-1) bits (i.e., by right shifting one bit and then measuring the difference of $m$)

$D_n$ sub multi set of P that consists of sample pairs drawn from cover signal and whose values differ by $n$

$D'_n$ sub multi set of P that consists of sample pairs drawn from stego signal and whose values differ by $n$

k 5 for LSM, 30 for SPM and 127 for RSM

P Multi set of sample pairs $(u, v)$ drawn from digital image

p Estimated length as percentage of number of pixels in the image

LSB Least Significant Bit

LSBM LSB matching

LSBMR LSB matching Revisited

LSBR LSB replacement

LSM Least Square method

RSM Regular Singular Method

SPM Sample Pair Method
$X_n$ sub multi set of $P$ that consists of sample pairs drawn from cover signal and whose values differ by $n$ and in which even value is larger

$X'_n$ sub multi set of $P$ that consists of sample pairs drawn from stego signal and whose values differ by $n$ and in which even value is larger

$Y_n$ sub multi set of $P$ that consists of sample pairs drawn from cover signal and whose values differ by $n$ and in which odd value is larger

$Y'_n$ sub multi set of $P$ that consists of sample pairs drawn from stego signal and whose values differ by $n$ and in which odd value is larger