

For the uniform binary source, i.e., $\gamma = 1/2$, with the Hamming distortion measure,

$$R_I(D) = \begin{cases} 1 - h_b(D) & \text{if } 0 \leq D < 1/2 \\ 0 & \text{if } D \geq 1/2. \end{cases}$$