

Assignment 1 – Hadamard codes

The challenge is to design a solution for an encoder and a decorder that implements a combinatorial algorithm for message transmission with the error correcting properties developed by Richard Hamming using Hadamard codes of class [8, 4, 4]­2, described as [n, k, d], were n=blocklength, k=message length and d=minimum distance, or [2k­, K, 2k-1].