

COMPUTATIONAL ALGEBRA: HOMEWORKS 2

The following exercises from *Fundamentals of error-correcting codes*, W. Huffman and V. Pless, are recommended. The exercises denoted by * have some additional difficulties.

1. Chapter 1: Exercises 3, 35, 67, 68, 69, 74* (for the definitions of Hamming Code \mathcal{H}_3 and extended Hamming Code $\hat{\mathcal{H}}_3$ see Section 1.8)
2. Chapter 4: Exercises 202, 204, 207, 213, 215, 216, 219, 221, 227*, 230*, 237, 265.
3. Chapter 5: Exercises 285, 291*, 299, 300, 301, 306, 307, 308, 309.