
Homework V

1. (20%) Implement a Kasami-sequence generator with a degree of 10. (Specify the employed generator polynomials.)
 2. (20%) Based on the generator obtained in (1), evaluate the cross-correlation spectrum of this set of Kasami codes.
 3. (20%) Implement a Zadoff-Chu (ZC) sequence generator with an arbitrary code length N , where N is a prime number. Verify the orthogonality of the periodic autocorrelation of a ZC sequence with a nonzero shift. Evaluate the periodic cross-correlation of any two distinct ZC sequences of the same length $N = 997$.
- Due date: **6/3**, (Submit your report and program codes to TA through e-mail.) Email: TWNTHUCOM5160@gmail.com