Set #2

Proposed first meeting on this set is Monday June 20

Problems

1. Text problem 3-5.
4. Text problem 3-10. Work this problem purely from a simulation standpoint to obtain both the sequence period and the sequence pattern. Working the analytical solution can be done as an optional check on your simulation.
5. Text problem 3-12. You may wish to try a MATLAB evaluation by generating one period of the $m$-sequence with say $N_s$ samples per bit (chip), then autocorrelate and FFT.
6. Text problem 3-17. Note: For large $N$ the summation required to obtain the self-noise can be replaced by an integral.