

Course Work

Please calculate the capacity of finite modulation alphabets over AWGN channel using the given Program prototype. The instruction is the follows.

- 1) Please complement the capacity calculation;
- 2) Further simulate your program to obtain the capacity performance against the channel signal-to-noise ratio (SNR).

Note that you should use Excel or Matlab to generate the capacity figure.

Please send your program and results to me via xingjyue@mail2.sysu.edu.cn before Nov. 22.

If you have any question, please contact me via e-mail: xingjyue@mail2.sysu.edu.cn.