

Computer Assignment #3

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Course title

Digital Communication

Same as Previous computer assignment we modulate symbols and for simulating noise we add noise to this modulated symbol. Now symbols are ready to send. After receiving this symbols at the receiver we use two different algorithms (Maximum likelihood and Maximum Aposteriori) for detecting received symbols. As we can see MAP algorithm has lower error rate that ML algorithm. And we expected that because ML algorithm assumes probability of each symbol is equal unlike MAP algorithm that we know probability of symbols.

