Triston Luzanta

Dr.MetCalf

ECE 2523

MatLab assignment 6



The greatest value p that yields the highest entropy is 0.5. The measurement of uncertainty is highest when it reaches half the value?

3.



In the graph, as the cardinality increases entropy increases. In the uniform case, there is no entropy since there is no variable that causes it to change. For the alpha = 1 you can see that there is some entropy visible, but for alpha = 2 you can see a significant change. Alpha = 2 has the greatest entropy because the alpha value 2 affects the result constant C which is dependent on n and alpha.

Appendix:







