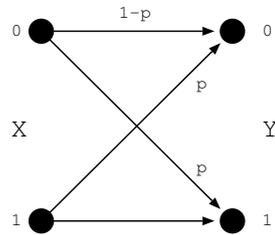


1994 Paper 9 Question 5

Information Theory and Coding

Define the mutual information and channel capacity of a discrete memoryless channel. [10 marks]



For the binary symmetric channel with transition probability p , derive the channel capacity. Sketch a graph of the channel capacity against the transition probability. [10 marks]