

Homework 7 : Channel coding

① Problem 1 : Achievable bounds

Propose a comparison of the three achievabilities : Shannon's bound, DT bound and Feinstein's lemma.

- You can compare their relative position (strength of the bound), formally.
- You can choose a channel (BSC, Gaussian channel, ...) and illustrate these bounds. The channel may be built as a DMC channel (multiple channel uses).