

Exam Scores: (out of 100)

3 in 80-90 range

3 in 70-80 range

2 in 60-70 range

most fit all of Φ right
most fit much of Φ right
(graph coloring)

The coloring produced by GVDO
may be optimal, but is
not guaranteed to be
optimal. GVDO yields 4 classes

$$\omega(G) \leq \chi(G) \leq \Delta(G) + 1$$

2 6

Q2 & Q3 no one got
either completely right,
most ~~to~~ got both wrong,
some got part of one right...

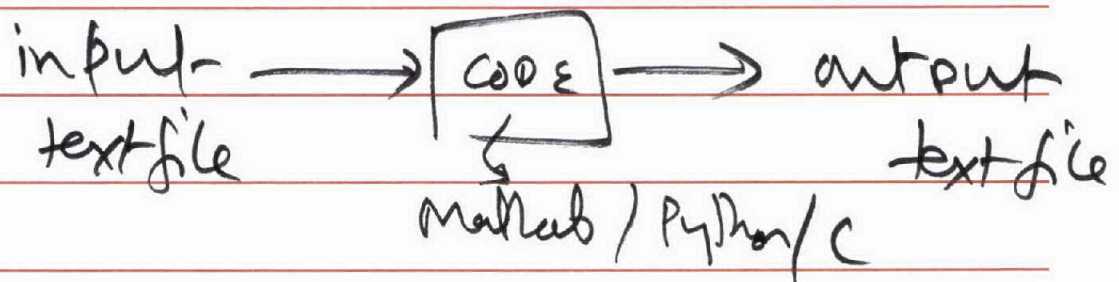
Phy - Link

Have asked TA to post an
individual (not to be done in pairs,
extra credit not to be discussed!)
assignment: asking you to
solve & write up Q2 & Q3
by hand AND also ~~take~~
~~in~~ code & turn in programs
that solve them numerically.

+10 to your midterm score.

See the posted assignment for exact details, but simply:

Q2 — BS interference prob



input file specifies:

P
R
d0
K
T
N
 σ^2
p

output file

d_A ← distance w/ no fading
 d_B to ensure $SINR > T$
distance of fading to ensure $Pr(SINR < T) < p$