1 Max-SINR:

Beam 1: Y= × So_+ = N1

Beam 2:

Bam 2: 12 = 2502 + M2

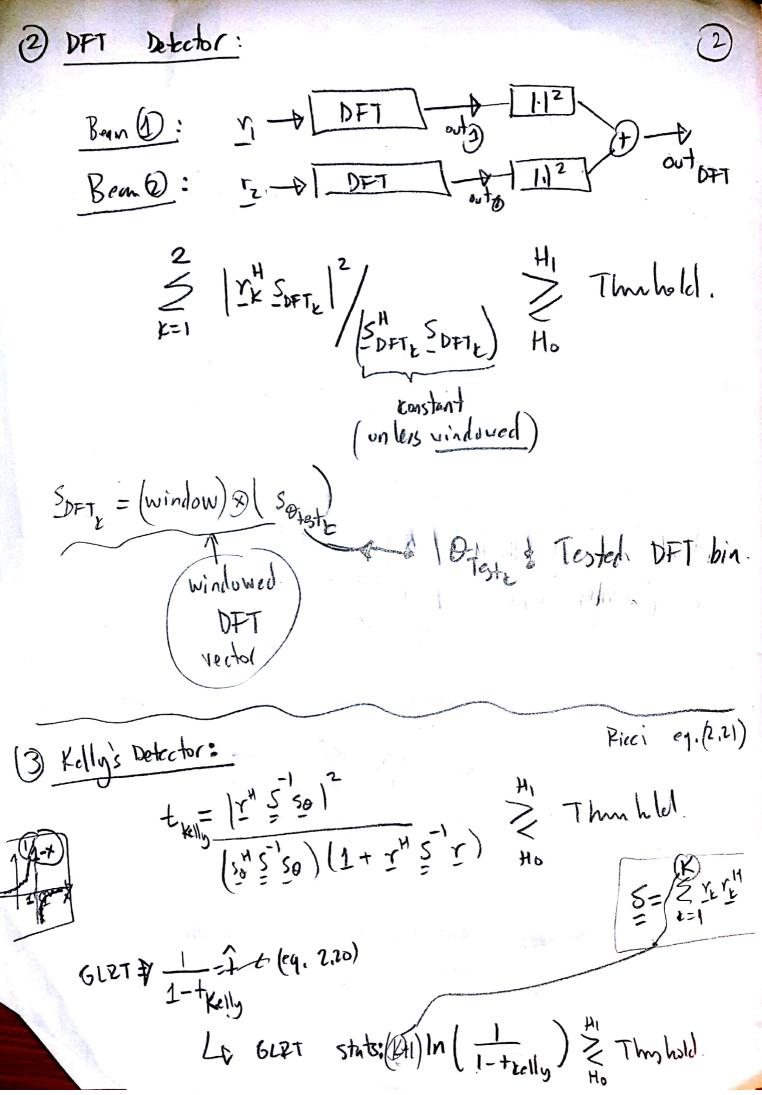
i) MI and Mz an ind. vectors

ii) didz: non-random iii) so,, sozi known vectos

Assume ne ~ CN(0; ME) and ME also known.

For target proxed hypolisis (Hi), we have:

voilts in GLRT



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Assume K, and Kz are the number auxillers /sccom 3 data for Kelly's test with 2 beams: Test becoms:

$$(K_1+1)\ln\left(\frac{1}{1-\frac{10}{kell_3}}\right)+(K_2+1)\ln\left(\frac{1}{1-\frac{10}{kell_3}}\right)\geq \chi$$

4) Milti-ind beam ACE, AMF:

It seems that we can apply the same marrows to convert sight beam ACE, AMF clutechors to 2 beams:
that is