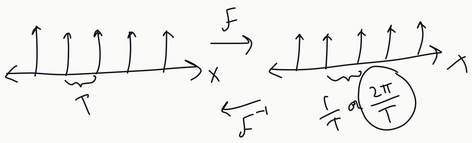
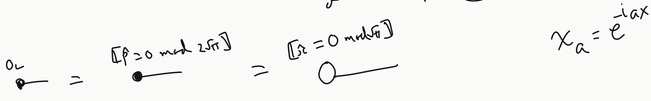
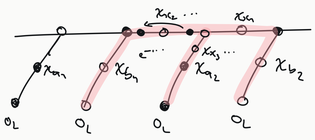


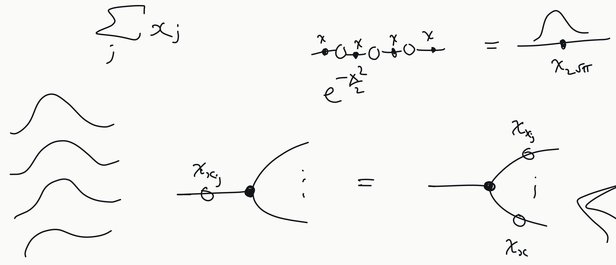


1. what is trivial



$\sum_j x_j \neq 0 \pmod{2\pi}$?

then error is detectable



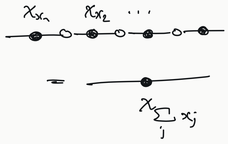
weight

Possible defns. of distance of set of errors (i.e. multiple wires)

For a non-trivial, undetectable set of errors $\{ \text{—} x_{x_j} \text{—} \}_j$, define:

① $\sum_j x_j =: w$ ✕ (w = weight)

② $\min_j |x_j| =: w$ ✕



Desiderata?

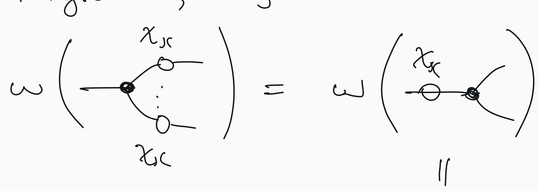
(A) agree with GKP literature

(B) —— = —o— = —●— should be distance preserving.

(C) Make sense on a single edge

(D) Doesn't require probabilities?

Could be minimum over all equivalent diagrams, e.g.



"base" diagram kept the same, only errors moved around