3d TFTCQFT: 1. Fields Y(x), sertions or a bundle on M, or maps M >X.

2. Action $S = \{S^n \times \mathcal{L}(Y)\}$

3. Z= [DY] e-50(4)

Atiyal's Axioms: Closed 30 M TPT complex # = Z(M) closed 20 N -> V.S. Z(N) $Z(N)=Z(N)^*$, $Z(N,UN_1)=Z(N_1)\otimes Z(N_2)$

2(0)=1

2M=N=> 2(M) EZ(N) W/some composition

 $P = S' \mapsto \alpha$ category Z(N) = S(p)Extended TFT:

Z(P)= dual category (Functors into v.s.)

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Z(N) = Z(N2) evaluated on Z(N)

O-dim should go to a 2-category.

Is it that mathematicians don't know how to listen to physicists, or that physicists have evolved a culture that de-comphasises communication C

I.c. is it that moth & physics don't communicate well, or that physicists don't communicate well was among each other?