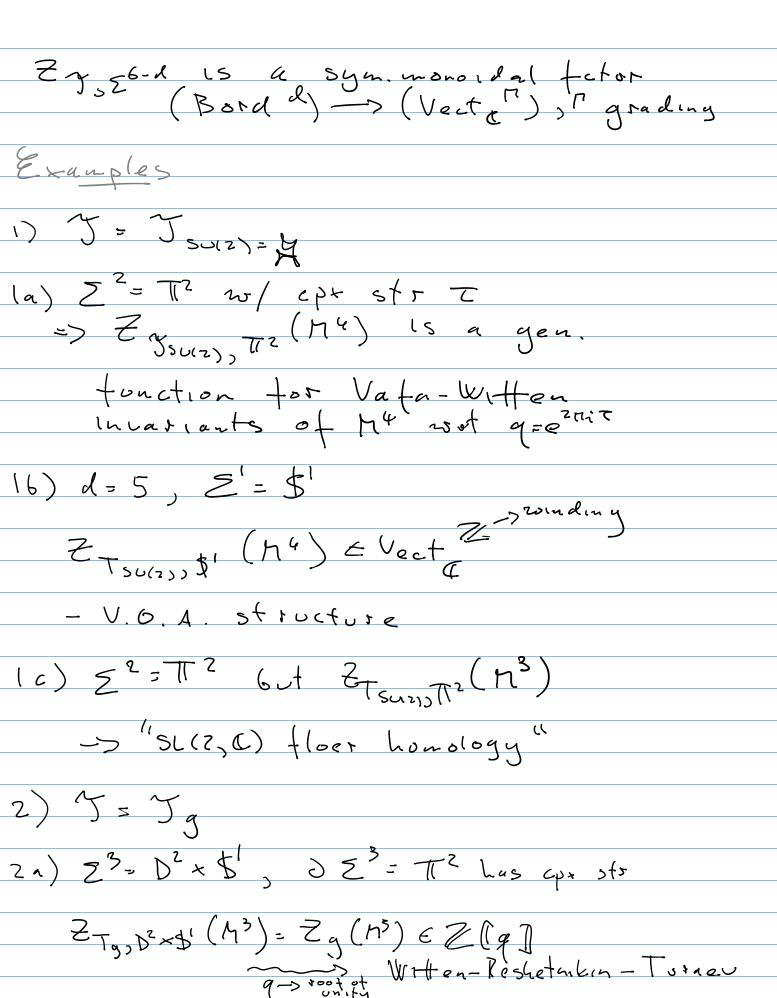
gauge @ late
Invariants from 6 dins-Pasa Putrev
-Big picture overview
- max dim of interacting QFT
TRFTS): 6
- 6D SCFTs maximal
- classification: , scont: 1 Lubelled 6 1.
- classification: Scont: Lubelled 6 y: (7,0) osp(8/4) simply laced Lie alg. y or n(1)
(1,0) loss(812) / 7 -> singularity in elliptically tibered C73
(for (2,0): Y= ADE sing XE)
- not gauge theories -> morally, contain theory
of nonabelian yerbes
-however, it seduced on \$1, can
be described in terms of 5d 77
-in particular, 6d b(z,0) Jy (5' => Syn w G= Lie(y) -tix a 6d SCFT J and Z6-1
-tix a 6d SCFT y and Z6-1
a (6-d)-mfd, possibly w defects
- do top, twist in semaining d-dins of Jy/26-d => Cohtaft 255d:
Zy (Md x 56-1) = E y 560 (ma)
C'5 (11 1 2 1 - 2 5, 200 (11)



26)
$$Z^2 = D^2$$
. Z_{Tg} , D^2 (H^3) $\in Vact_{\mathcal{I}}$

-analog of Khovanov-Rozansky
hanology for closed 3-nfd?

-categorities Jones polynomials

3)

3a) $g > u(i)$, $Z^2 > D^2$ w 2 mkl pts

 $Z_{u(i)}$, $Z^2 > D^2$ w 2 mkl pts

 $Z_{u(i)}$, $Z^2 > D^2$ w 1 nv of H^4

3b) $Z^2 = D^2$ w n...

=> multimonopole inv.'s

-> interpretation in terms of Z_{tg} , I^4 v.o.t.

(4) I^4 is (1,0)

VOA review

Det Vertex op. alg is a v.a.

w additionally:

- w t T given s.t.

Y(w, z) = i T(z) = \(\frac{2}{2} \) \(\frac{2}{2} \)

where [Lustin]= (n-n) Lunen (n^3-n) $(n^3$

-modules of UA V are usp's M equipped to 7m: V -> End M (2,2")