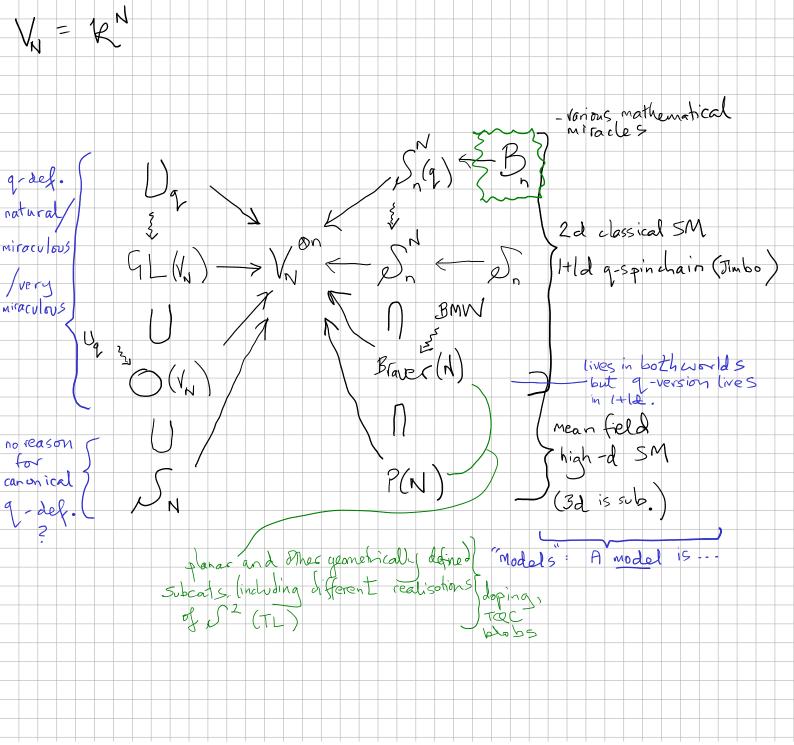
Montreal 22 Recent PM VJM
Pie amble 0-4
1. Currently 2 postdoc positions at Leads
4. Reg. Ty. n comp. Stat. mech. overview i recall/review one possible unitying context for some of our talks (), but not recent).

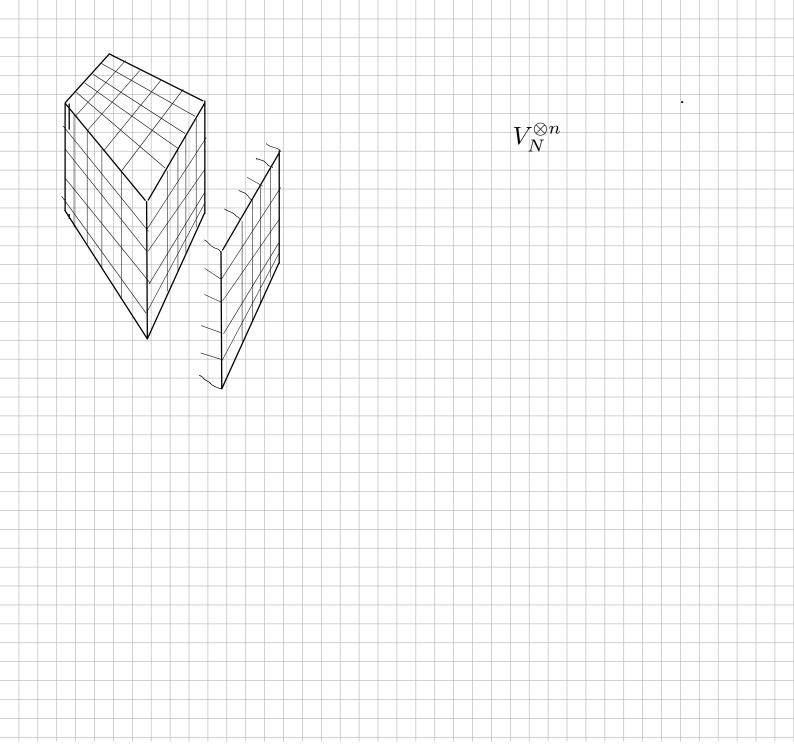
2. use this to in todarce a classification (hearem for spin chain braid reps.



A model is a collection of algebras/Hamiltonians "for all n - Engineering addresses large n - "behavious" stable at large n "the moduranic limit A. Embedding of Rep. Care goines - so, v fring N fixes model - which then includes all n. critanovic alob/loc. adjunction Says there is n-limit.

Then Ind/Res "geometry" says pKL governs classical RT.

- advantagers to have natural way to vary n Spin chain or transfer matn x gravity / algebras/Z Con plete graph categories ice 32 2+12 physics



Spin-chain braid reps. F.B -> Vect $B = (N, braids, \cdot, \otimes, 0)$ obj 1 - V Classify regs? - have No wasic cans in N unlenowns o + F(5) € Ena (182) OK fr N=2 (Hietarinta 192) Others open --- so reed paradiam F.B. Math - shoat monoidally generated by Vn So, what nice monidal subcats of Natione there?

+(0) \times +(4) +(5F:B > Mat 1 co (monoidal) $\sqrt{z} \neq 0$ unless $j = \omega(z)$ match some perm W q-spin chain world:
6-vertex model charge conserving 22 11 12 21 12 melement of Math (2,2) non-zero entres tecorate KN ₩ ×22,22 **€** √33,33 natural Lucky? match is monor dal subcat. lemma can mis be me pordigue changing torget?

Aim classify (and construct) Tens (B), Match) Tens (C, Matchin) (higher version of Read tunderlying target is Vect tan abelian cat with additivity Jordan-Holder, Kroll-Schmidt, ... A. Zin-Weddesburn,... ... Artinian rep- theony. What does a Massification Kheorem book like? " Treps- of CS, are indexed up to isomorphism by integer partitions. (And earlier is isom. to direct som.) (Math, Math) Dala (match, Match) DeS. Recast in a suitable general framework ... The Functors in Tens (B, M atoly) / R-matrices Flor) take the following form:
- F(s) E P2 (w) for some we JN (3x) defined mx to

