## Hallucinations

about
Khovanov


Some harsh reality.
EK mix tangles and braids and algebras and Verma modules

Night Time
Dreams
about
Etingof - Kazhdan

Day Time Dreams about Reshetikhin

- Turaev \& quasi triangular quasi Hopf algebras Reality of associators, FT invariants and co-commutative quasi-Hopf algebras


Gens and rels? $\rightarrow$| $\mathcal{K}_{V}=\mathrm{K}(\mathrm{T})$ |
| :---: |
| $\begin{array}{c}\text { Knotted (triv } \\ \text { virtual kn }\end{array}$ |


 Genus g knots, ribbon knots, boundary links and more...

## Proof.

## A La Carte Drawings

Knotted Trivalent Graphs (KTG's):

$=(\Phi \otimes 1) \cdot(1 \otimes \Delta \otimes 1)(\Phi) \cdot(1 \otimes \Phi) \in \mathcal{A}\left(\uparrow_{4}\right)$


Claim. With $\Phi:=Z(\Delta)$, the above relation is equivalent to the Drinfel'd's pentagon equation.


More at http://www.math.toronto.edu/~drorbn/Talks/Kyoto-0705/

