

Title: Discussion on 3d A-model

Speakers: Tudor Dimofte, Benjamin Gammage, Justin Hilburn, Ahsan Khan

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Q: What is a \mathbb{C}^X -action on $[V/G]$

A: Choose an extension $1 \rightarrow G \rightarrow \tilde{G} \rightarrow \mathbb{C}^X \rightarrow 1$
 $\mathbb{C}^X \curvearrowright [V/G]$

Q: What is a fixed subvariety of this action

A: $\text{Maps}_{\text{BGM}}(\text{BGM}, [V/G]) \cong \coprod [V^\delta/G^\delta]$

$\begin{array}{c} \gamma: \mathbb{C}^X \rightarrow \tilde{G} \\ \parallel \downarrow \\ \mathbb{C}^X \end{array}$

Q: What is the Jones interface for this action

$[V^\delta/G^\delta]$ ←



Ahsan Khan

Basic idea: \mathbb{Z}^d $N=4$ w/ HK X, Ω
 (X, Ω)

A-twist $(2, 2)_A \subset (\mathbb{Z}^d N=4)$ as an
LG model. $\mathbb{R}^2 \times \mathbb{I}$. $\Omega = d\Lambda$

\parallel
 $(\text{Map}(\mathbb{I}, X))_{\varphi \in} \supset W[\varphi] = \int_{\mathbb{I}} \varphi^*(\Lambda)$