#### Spring School 2024 @Izukawana

### Moduli stabilization

## for supersymmetric magnetized D9-brane models

Abe Lab. M1

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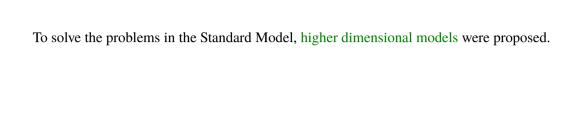
Saturday, April 6th, 2024

\*I will speak in Japanese though this slide is written in English.

## **Topics**

- Review the senior thesis
- Report the progress

# Introduction



To solve the problems in the Standard Model, higher dimensional models were proposed.

In general, these theories contain extra fields related to

- the size and shape of the compactified extra dimension,
- hence the metric and the gravity

in its 4d effective field theory.

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Such a field is called *moduli fields*.