YITP-iTHEMS molecule-type international workshop

Potential Toolkit to Attack Nonperturbative Aspects of QFT

-Resurgence and related topics-

Sep 7-25, 2020

Closing remarks

Tatsuhiro MISUMI

Masaru Hongo, Shigeki Sugimoto, Yuya Tanizaki, Hidetoshi Taya

@YITP, Kyoto U. & Online 09/25/20

We are grateful to all the participants !

- We thank the three lecturers, Gerald, Mithat and Aleksey for reviewing the basic points and showing future research directions.

- We thank the six invited speakers for showing the exciting results and stimulating discussions.

- We thank the ten poster presenters for discussing possibilities of novel directions and applications.

- We thank all the participants for participating talks, poster sessions and discussion sessions.

- We also appreciate the cooperation of the secretariat, Tsuruhara-san.

Most of goals have been achieved !

1. We have **Reviewed** the novel techniques for nonperturbative effects of QFT, focusing on resurgence and the related techniques.

2. We have **Studied** and summarized the very recent results in the techniques.

3. We have **Raised** and considered questions in the techniques and their physical results.

4. We have **Proposed** their applications to physical problems other than pure QFT.

5. We have **Discussed** the questions and applications, and are producing new works by collaborating with the participants.

Let's complete works and write papers

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How to review contents of the workshop

Slack:
The slides of all the talks are available on the Slack.
You can also discuss with other participants by chatting.

Videos:
All the talks are recorded and stored on the webpage, whose URL is shown on the Slack and on the workshop webpage.

Emails:
If you need information on the contents of the workshop, do not hesitate to contact us by emails.

How to acknowledge this workshop

Please acknowledge this workshop in a paper which is initiated or conducted during this workshop. The followings are samples:

The authors thank Yukawa Institute for Theoretical Physics at Kyoto University, where this work was initiated [completed] during the YITP-T-20-03 on "Potential Toolkit to Attack Nonperturbative Aspects of QFT -Resurgence and related topics-."

The authors thank Yukawa Institute for Theoretical Physics at Kyoto University. Discussions during the YITP-RIKEN iTHEMS workshop YITP-T-20-03 on "Potential Toolkit to Attack Nonperturbative Aspects of QFT -Resurgence and related topics-" were useful to complete this work.

We appreciate all of you
and
See you soon !