



*Institute of Mathematical Research
Department of Mathematics*

GEOMETRY SEMINAR

Sklyanin algebras and finiteness conditions for potential algebras via Groebner basis

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Abstract

We present a way to prove Koszulity via calculation of Hilbert series for Sklyanin algebras. We also show how Golod-Shafarevich theorem could be improved for potential algebras and some applications of that to the finiteness conditions for potential algebras.

Date: October 18, 2022 (Tuesday)

Time: 4:00 – 5:00pm

Venue: ZOOM: <https://hku.zoom.us/j/>

Meeting ID: 985 8269 6561

Password: 752204

All are welcome