

## Microlocalization of virtual fundamental classes

*Friday 10 October 2025 16:00 (1 hour)*

I will report on joint work in progress with Tasuki Kinjo, Hyeonjun Park, and Pavel Safronov, regarding Joyce's conjecture on a  $(-1)$ -shifted microlocalization of the virtual fundamental class. This construction subsumes not only the usual virtual fundamental class for quasi-smooth moduli spaces (read: perfect obstruction theories), but also other virtual class type constructions appearing e.g. in DT4 and GLSM invariants.

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