

The Moonfleck

With a fleck of shining moonlight / On the shoulder of his black silk topcoat,
Pierrot wanders this evening / Looking for adventure.
But something is not quite right about him: / He checks himself and finds
A fleck of shining moonlight / On the shoulder of his black silk topcoat.
He thinks it's a spot of plaster, / And until morning, on the sidewalk
Full of futile rage, / He rubs and rubs,
This fleck of shining moonlight.

—Albert Giraud, *Pierrot Lunaire*

THE TRIVIAL NOTIONS SEMINAR

Eunice Sukarto

will speak on

Math H104: Introduction to real analysis

ABSTRACT

Bored of the usual open and closed sets, we will do real analysis using partially ordered sets, via the language of filters and ultrafilters. We will rephrase the notions of a topology, convergence, continuity and compactness as set containments. In the end, our toils and sweat need not be futile: we will get Tychonoff's theorem for free. If you are still not convinced, we will see an application of ultrafilters to the proof of Arrow's Impossibility Theorem on voting systems (not part of the course).

This is a true story based on Prof. Wodzicki's Math H104 at UC Berkeley. Course notes can be found in math.berkeley.edu/~wodzicki/H104.F18/index.html. As the name suggests, this talk will be completely trivial.

Tuesday, April 26, 2022

at 1:30 pm

Science Center, Room 232