

ALGEBRA AND NUMBER THEORY  
SEMINAR

*Moduli of Wildly Ramified Covers of Curves*

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**Abstract:** One of many hazards in the jungle of characteristic  $p$  algebraic geometry is the presence of wild ramification, which is in a loose sense what happens when objects possess automorphisms of order divisible by  $p$ . In this talk, I will tell an incomplete story of wild ramification for algebraic curves in characteristic  $p$ , starting with the fundamental example of Artin-Schreier curves. I will also describe some work in progress towards a description of the moduli stack of Artin-Schreier covers of curves, part of which relies on results in a recent preprint (arXiv:1910.03146).

Monday, February 22, 2021, 1:00 pm  
<https://emory.zoom.us/j/94062245183>

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