

## Number Theory Seminar

### *Indices of the endomorphism ring of a finite Drinfeld module*

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**Abstract:** For a generic, rank  $r$  Drinfeld module, we discuss its reductions and their endomorphism rings. We discuss the significance of the Frobenius indices and prove that they can be arbitrarily large. We also give an algorithm to compute these indices explicitly and a basis of the endomorphism ring. This is joint work with Mihran Papikian.

*The seminar lasts 80 minutes (9:30am-10:50am).*

Friday, November 15 at 9:30 AM in 1227 SEO
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