

## Graduate Algebraic Geometry Seminar

### *Adjoint linear systems on algebraic surfaces II*

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**Abstract:** This is the second part of the talk on adjoint linear systems on surfaces, in characteristic  $p > 0$ . In circumventing the classical vanishing theorems and Bogomolov's inequality on rank 2 vector bundles in characteristic zero, we briefly introduce the construction of Ekedahl and Shepherd-Barron on purely inseparable degree  $p$  coverings.

Wednesday, September 10 at 2:00 PM in SEO 712