

# Stanford Algebraic Geometry — Seminar —

## ON ABEL-NÉRON MAPS

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### Abstract

Abel-Néron maps are a generalization to singular curves of classical Abel maps for smooth curves. They are defined using the theory of Néron models (due to A. Néron and M. Raynaud) and provide a useful tool for investigating problems about degeneration of line bundles and linear series. I will illustrate the construction and some applications, together with some remarkable combinatorial features.

Friday, January 27  
3:15 p.m.  
Room 383-N

<http://math.stanford.edu/~vakil/s0506/>