

Arakelov Geometry

DRAFT

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Contents

1	Classical height machine	1
2	Hermitian line bundles on rings of integers	1
3	Hermitian line bundles on projective arithmetic varieties	1
4	Arithmetic Hilbert-Samuel theorem	1
5	Arithmetic fundamental inequality	1

1 Classical height machine

2 Hermitian line bundles on rings of integers

3 Hermitian line bundles on projective arithmetic varieties

4 Arithmetic Hilbert-Samuel theorem

5 Arithmetic fundamental inequality