

A QUICK INTRO TO ALGEBRAIC GEOMETRY

REFERENCES: SILVERMAN'S "AEC", CHAPTERS 1 & 2

DUMMIT & FOOTE "ABSTRACT ALGEBRA", CHAPTER 15

K a perfect field (i.e., every alg. extⁿ is separable)

↳ $K = \mathbb{Q}$ or any field of char 0 or any finite field.

\bar{K} = alg. closure of K , $G_K = \text{Gal}(\bar{K}/K)$ the absolute Galois gp of K
(gp of field auto. of \bar{K} that fi

