

Hartshorne Exercises

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I Varieties

Conventions. k is an algebraically closed field.

I.1 Affine Varieties

Conventions. $A = k[x_1, \dots, x_n]$.

I.1.1 INCOMPLETE

I.1.2

I.1.3

I.1.4

I.1.5

I.1.6

I.1.7

I.1.8

I.1.9

I.1.10

I.1.11

I.1.12

I.2 Projective Varieties

Conventions. $S = k[x_0, \dots, x_n]$.

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I.2.2

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