Introduction to Commutative Algebra

and affine algebraic varieties

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February 11, 2021

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Overview

Paraphrase the intro from the project report

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Algebraic Variety

You still don't understand the connection very well. So you got to revise first before you can write this. Ask the question. How is every algebraic variety a nilpotent free k-algebra? How is $Spec(A)$ the solution set of polynomials? How is Spec(A) a variety? You only shown that it can have a Topology. How is it an algebraic variety? Reread and understand the dictionary in Vakil's notes in full.

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Prime Ideal

How can you make this more intuitive?

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