

Affine monoids and their Hilbert bases - I.
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In this series of talks we will discuss Affine monoids and their Hilbert bases, from the book *Polytopes, Rings and K-theory* by Bruns and Gubeladze. Affine monoids are the basic structure with the help of which we form monoid algebras - the main tool in the study of interactions between discrete geometry, commutative ring theory and algebraic K-theory. In this talk we will discuss some basic definitions and properties of monoid algebras.

Pre-requisites :
Familiarity with basic ring theory.