IF A BB A GO

Topics for Affine Algebraic Geometry

- · localization ladjoining inverses)
- · integral extensions (B a finite A-module)
- · prime ideals
- · dimension

Ex: A = G[x] spec A = A^ b = A[g-] g some non-zero polyhomial

Spec B? (yg-1) = ([x,y]/(yg(x)-1) Spec B = locus yg= ( in A)\*\*

Say (xo, yo) ∈ Spec B. So y (xo) = 1.

Given xº con solve uniquely for yº, provided glxº to If g(xº)=0, no solution.

Locispec C[x][g-1] ( points of Ala where g(x) to