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Lecture 8
                       2011-02-22
                                                                   1 2 2
7. 11.00.
I playing with corner in TP2
   II Alfine algebraic geometry (structure of spec A)
   II . Projective geometry
   II cohomology
thm: Null stellersatz:
      Maximal idents of I[x, ..., x, ] = points in A"/=0")
      (A), ..., an) EAM max (Her M) a = Kernel of ham. (D) -) (
M) = (K-a) = (K-a)
      Ma=(K-ay (1)Kn-an)
   A= C[x] /I quotient of [[1], say I=(f, ..., fn), fied[]
(or Then Spec A : {maxiocals} & V(I) = locus of zeros
   Wigi (16
 " Correspondence This ideals of A ( ideals of all tent contain I
                     Maxileals of maxideals containing I
   If A isonfinitely generated (-algebra (ring that contains a),
      then A OCCENTA
      Spec A ( ) V(I) voicely & A"
    Louise topology; closed sets are V(S), I among
   Affine Algebraic Geometry
    Strottly generated a algeon
    Say A &B homomorphism of finitely generated algebras.
    Then the map goes spec A & - spec B
   Equipment Sels: A a fin gen. C-alg.
    · (max ideals of A)
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· (honomorphism A-)()

· (V(I) = Locus of irror of I of A= (1)/4)