Potone of genericity: 1. Bayer It Ilman: a homogeneous ideal ICS=le[x1,...,xn] & in generic coordinates iff (xur xn-r+1) e Ur where r= dron (\$/I) 2. Commeta-Corla: en homogeneous ident Ic3=k[x,,, x, h] w/ [Z, (I) / coo is in egeneric coordinates iff m+0 on 1/2 sut 3. Frakera / Truna: a homogeneous Gent I-CR=K[x,..., 1,] W/ I=(f,,...,fr) and K an extension of F is generic of - each fi is generic meaning its coeffs are algebraically independent over F - the set of all coeffs is algebraically independent over F 4. Pardue: a property P is generic if it holds on a moremply open Uc ITS, in the Zariki Jopology. A segvence (R., fr) EU is called a generie sequence. -> Note: The precise meaning of a agenesia segrence" depends on the generic property 1) it substier - (fr. ... fr) could be generic wit property P but not property Q.

5. Old versions of Camunata-Gorla: A homogeneou I deal Ic, R=4[x, ... xy] is in generic coordinates if gin, I = in, I. > This is the meaning of agencie coordinates" referenced in the 2020 paper w/ both corta and unles as authors - specifically version 4. Carecorone: 1. Ceminota - Goda used both definitions at different points - are they equivalent? 2. Minte Cortal etc. paper suys that "since 2 is generaled by gone polynomials, then is in generic coordinates " (pg (1). They are verne Pardue's meaning of generic polynomals, so the suggestion hat (4) => (5). E. Main, overarching question is which of there are equivalent. What other hypotheses might be needed? that (2) => (1) -> Known For now 12 and (1) - (2).