Ym,, me M, (C(M,+MZ) = (M) (M) $\mathcal{C}(0) = 1$ Z-basis of N; { ni, -, nr). $... \qquad M \qquad \text{max}$ Uj= e(mj) $\int_{\mathcal{N}} \sim \left(\left(\begin{array}{c} * \\ \end{array} \right)^{\gamma} \right)$ t (U, (t), ..., Urct)) Ui coordinate for TN M= Zaimi

C(M) = TIUi,

Laurent monomial

TN

Yn EN, Ohe-parameter Subgroup Yni (* -- TN, $\forall n(\lambda)(m) = \lambda^{(m,n)}, \forall \lambda \in \mathbb{C}^n,$ MGM. n= Zbjnj yn: (* ---> Try, $\lambda \longmapsto (\lambda^b, \lambda^b, \dots, \lambda^b)$ $\in (C^*)^{\tau}$ Prop. So=MN6 = \\ \fin \\ \Z_30Mi S.C.r.P.C. J. ENR. Let. Moiz (Ni Jo-) Ci hco) z1, Affine Totic v. cm+m') = N (M) N(m'), M, m' ESo} ICC(M)(N):= N(M), AME Jo. NENO. ((C(M), -.-, (C(Mp)); $V_0 \longrightarrow C^p = C \times \cdots \times C$

Us is algebraic subset of CP defined as the set of solution of a system of equations (monomial) = (monomial) (toricideal) gr-dim, irreducible, normal, complex, analysis space on Mo $\{M_1, \dots, M_0\}$ Each mESo, polynomial ecm) on No, holomorphism KmK, C[M]:= D (C(m).
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Affine scheme Spec (CCM)

(-pts (CTM) -> [Tiv. U(So) >0 PJ' M., ..., Mp E Jo. Gen. UEllo, umj= emj)(n) EC. $\forall 1 \leq j \leq p$ a= (a,;···, ap) E [UE No, umjzaj $C[\bar{x}] = C[x_1, \dots, x_p]$ $\int_{\partial z} M \eta \sigma^{\nu}$ Xj me (mj) Vj. Ker = <f1, --, fq>, \(\mu(mj)= aj (=), $f_1(\omega) = f_2(\omega) = --- = f_q(\omega) = 0$

DCVI, VP) X, ... Xpp b (V1,--, Vp) (C(V1)M1+---+ $= \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \right) \right) \left(\frac{1}{2} \left(\frac{1}{2} \right) \right) \right) \left(\frac{1}{2} \left(\frac{1}{2} \right) \right) \left(\frac{1}{2} \left(\frac{1}$ 4 Vpmb=W bcVi(m)) -- b(Vp(m))] [*] $\frac{1}{\chi_1}$ $\frac{\chi_2}{\chi_2}$ $\frac{\chi_1}{\chi_2}$ $\frac{\chi_2}{\chi_2}$ $\frac{\chi_2}{\chi_2}$ $\frac{\chi_2}{\chi_2}$ of No as an affine alg