On Mycob na other un-be Galler zagatur φ-uu f, ρ, , --, ρm (1 ≤m <n). Πycs6 $E = \{ x : x \in G : \varphi_j(x) = 0 \forall 1 \leq j \leq m \}$ € f; (x)=0 5,=1 -yp-9e cloure (1) On Torus x'0'E E regulación Torus ycubriso unrungua go-un f npu chigis (1), eau] 5>0: f(x(°)) < f(x) 4xeEn Us(x(°)) Trumer: f=x,2+X22 - ecue porto uccuegues na extr, 70 (0,0)- Torna expororo unhunyua 30 gagner yn-2 chagu: \(\text{\$\gamma_1(\tilde{\ti}

1-/ d XI $f = x_1^2 + 1 - 2x_1 + x_1^2 = x_1^2 + (1 - x_1)^2 = 2(x - \frac{1}{2})^2 + \frac{1}{2}$ $x_1 = \frac{1}{2} - \tau \text{ or up } extr. = > (\frac{1}{2}, \frac{1}{2}) - \tau \text{ or up } y \text{ or up }$ $f = x_1^2 + x_2^2 \text{ reso } u$ ycu. X, + Xz -1=0 {F, (K,, ..., Xn, y,,..., y m)}= B ganbreumen Sygen curato, 200 f, φ, , , em - neng guap. na G; rang $\left| \left| \frac{\partial Q_j}{\partial x_i} \right| \right| = m - \mu a G = 7$ => y natpuyer (295) cynjectbyet renyukor m experon parue 5.0.0 Dygen crutato, to stat ming $\frac{\partial (\psi_1, -, \psi_n)}{\partial (x_1, x_n)} \neq 0$ => no Th. o cucreul

× Q(Xnte, --, xn0)), 29e φς = 0 2 > (X = μ; (Km+e, ..., Xn) J; =, Q(X,,..,Xm, Xm+1,...,Xn)=0