In general, the constraints on the administration rafe re and the concentrations c can be of the form:

G. CE + HUE & M; YKE WED, NJ where GERMXN, HERMXM and MERM. For the composite variable

Z= (Uo, C,, U,, Ca, ..., CN-1, UN-1, CN)

the constraints are written as:

D ≥ < \$

where:

Dhere:

$$\Phi = \begin{bmatrix} HO \\ GH \end{bmatrix}$$
 and  $\phi = \begin{bmatrix} M-GCoJ \\ M \end{bmatrix}$ 

with  $\Phi \in \mathbb{R}^{(n_c = N) \times N(n+m)}$  and  $\phi \in \mathbb{R}^{Nn_c}$ 

Constraints may not be imposed on all concentrations but only on some ci for je J where J={i,j=,...,jkj with K≤n. Let

$$\Delta_{\overline{g}} = \begin{bmatrix} e(j_{1})' \\ e(j_{2})' \end{bmatrix}$$

where e(j) is a vector of IR whose j-th entry is I and all other entries are O. The constraints on c are written as

1 DJ. G & Chax, HENZO, NI

and in terms of = they become:

Chax refers to the constraints (bounds) imposed on Ci with 1EF, i.e., if

$$C_{max}^{\frac{1}{2}} = \begin{bmatrix} C_{max}^{\frac{1}{2}}(1) \\ C_{max}^{\frac{1}{2}}(2) \\ C_{max}^{\frac{1}{2}}(k) \end{bmatrix}$$

Then: Cik & Comax(L)