oppure se e solo se
$$\exists F: X \times I \longrightarrow X \mid F(x,o) = x, F(x,t) \in A, \forall x \in X \land F(a,t) = a, \forall a \in A \forall t \in I$$

$$GL(n,R) = \{ M \in M(n,R) \mid \text{Jet } M \neq 0 \}$$

$$SL(n,R) = \{ M \in G_1L(n,R) \mid \text{Jet } M = 1 \}$$

$$GL^{+}(n,R) = \{ M \in GL(n,R) \mid \text{Jet } M > 0 \}$$

$$r: GL^{+}(n,R) \longrightarrow SL(n,R)$$

$$M \longmapsto (Jet M)^{-\frac{1}{n}} M$$

$$i: SL(n,R) \longrightarrow GL^{+}(n,R)$$

$$(ior)(M) = i(Jet M)^{-1/n} M) = (Jet M)^{-1/n} M \in GL^{+}(n,R)$$

$$F: G_{L}^{+}(n,R) \times I \longrightarrow G_{L}^{+}(n,R)$$

$$(M,+) \longmapsto (J_{e}^{+}M)^{-t_{n}}M$$

Jet
$$F(M,t) = \text{Jet}((\text{Jet M})^{-t_n} M)$$

$$= (\text{Jet M})^{-t} \text{Jet M}$$

$$= (\text{Jet M})^{-t} \text{Jet M}$$

$$\Rightarrow$$
 (Jet M)^{-t_n} M \in GL⁺(n,R)

$$F(M,o) = M = iJ_{GL(n,R)}(M)$$

$$F(M,1) = (Jet M)^{-1/n} M = r(M) \in SL(n,R), \forall M \in GL(n,R)$$

Sia
$$N \in SL(n, \mathbb{R}) \implies det N = 1$$

$$F(N,t) = (Jet N)^{-t/n} N = N$$
, $\forall N \in SL(n,R)$, $\forall t \in I$