化为 " 不头" n = i) x 4.3.2. (1) ° G(K)={AEGL(n.()|A'KA=K] O G(k)为GL(n,C)嵌入子流形 $\forall A \in C^{n \times n}, \gamma : (-\epsilon, \epsilon) \mapsto GL(n, c) \subset C^{n \times n} \quad \chi \mapsto \chi + tA$ ta(A) = dt (X+tA) TK(X+tA) = ATKX + XTKA 设X=AY ATKX+XTKA=KY+YTK ·· VA Im(fex)=Im(fex)←组数固定(AEGL(n.() A可逆) ⇒ G(K)为GL(n.C) (~子流形 @ G(K)是群 0结合律 0单位元 0逆元 $\mathfrak{G}J: \mathcal{G}(K) \times \mathcal{G}(K) \rightarrow \mathcal{G}(K)$ $(A.B) \longrightarrow A \cdot B$ $Cij = \sum_{k=1}^{n} Qikbkj$ $G(K) \rightarrow G(K)$ $A \rightarrow A^{-1}$ Qij'= Mij (Mij为代数余子式) 了为(∞的 = (Lie 子群 (2) 同理 3. 月理 5.1.3. (40) $= \sum_{i=1}^{n} \theta_{i,\dots,i}^{i,\dots,i} \delta_{i,\dots,i}^{i,\dots,i} \delta_{i,\dots,i}^{i,\dots,i} = \theta_{i,\dots,i}^{i,\dots,i} = \theta(dx^{i,\dots}-dx^{i,\dots,i})$ (5) 略 $(1) (\theta + \eta)_{i, \dots, j}^{i, \dots, j} = (\theta + \eta)(dx^{i_1} \dots dx^{i_r} \frac{\partial}{\partial x^{j_1}} \dots \frac{\partial}{\partial x^{j_s}}) + \eta(dx^{i_1} \dots dx^{i_r}, \frac{\partial}{\partial x^{j_s}} \dots \frac{\partial}{\partial x^{j_s}})$ $= \theta(dx^{i_1} \dots dx^{i_r} \frac{\partial}{\partial x^{j_s}} \dots \frac{\partial}{\partial x^{j_s}}) + \eta(dx^{i_1} \dots dx^{i_r}, \frac{\partial}{\partial x^{j_s}} \dots \frac{\partial}{\partial x^{j_s}})$ $=\theta_{i,\cdots is}^{i,\cdots ir}+\eta_{i,\cdots is}^{i,\cdots ir}$ (2) $(\lambda \theta)_{j_1 \cdots j_s}^{i_1 \cdots i_r} = (\lambda \theta) (d\lambda^{i_1} \cdots d\lambda^{i_r} \frac{\partial}{\partial \lambda^{i_r}} \cdots \frac{\partial}{\partial \lambda^{i_s}})$ $= \lambda \cdot \beta (dx_i, \dots dx_i, \frac{\beta}{2x_i}, \dots \frac{\beta}{2x_i})$ (3) (001)j...jrs = (001) (3xi) ... 3xirs) = 0 (3xi ... 3xi . 1 (3xirm... 3xirs) = 9....jr . 17im...jrs $=\lambda\theta_{1}^{11}$ $5.1.5_{\widehat{\theta_i}} = \theta(\widehat{e_i} \ \widehat{e_i}) = \theta(\widehat{E_i}(uei \ \widehat{E_i} \ (j+e+) = \mathcal{E}_{[-i]}^n \ \mathcal{E}_{[-i]}^n \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) \cdot (j+e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta(ei \ e+) = \widehat{\mathcal{E}_{[-i]}^n} \ (i, \theta($ 1.6 = $\theta_{i}\pi(i)\cdots i\pi(s) = \theta\left(\frac{\partial \chi_{i}\pi(i)}{\partial \chi_{i}\pi(i)}\cdots\frac{\partial \chi_{i}\pi(i)}{\partial \chi_{i}\pi(i)}\right) = \theta\left(\frac{\partial \chi_{i}\pi(i)}{\partial \chi_{i}\pi(i)}\cdots\frac{\partial \chi_{i}\pi(i)}{\partial \chi_{i}\pi(i)}\right) = \theta_{i}\cdots is$ $= \theta(\chi_{\pi(1)} \dots \chi_{\pi(n)}) = \theta(\frac{1}{L} \alpha_{\pi(1)} \alpha_{\pi(1)}$ $= \sum_{n=1}^{n} Q_{n}(n) \pi(n) \cdots Q_{n}(n) \pi(js) Q_{n}(\frac{\partial A_{n}(n)}{\partial x_{n}(n)} \cdots \frac{\partial A_{n}(n)}{\partial x_{n}(n)})$

$$\begin{array}{l} = \prod\limits_{\substack{i=1\\ i=1\\ i\neq i}}^{n} \Omega_{iji} \cdots \Omega_{ijs} \; \theta \left(\frac{\partial}{\partial x^{ii}} \cdots \frac{\partial}{\partial x^{jj}}\right) = \theta(x \cdots x_{S}) \\ \text{5.1.12} \quad (i) \ \, \forall i, \\ (2) \ \, \forall i, \\ (2) \ \, \forall i, \\ \text{5.1.13} \quad (j) \ \, F_{p}^{*} (\theta + \eta) (x_{i} \cdots x_{S}) = (\theta + \eta) (f_{\theta}p x_{i} \cdots f_{\theta}p x_{S}) \\ = \theta (f_{\theta}p x_{i} \cdots f_{\theta}p x_{S}) + \eta (f_{\theta}p x_{i} \cdots f_{\theta}p x_{S}) \\ = F_{p}^{*} \theta (x_{i} \cdots x_{S}) + F_{p}^{*} \eta (x_{i} \cdots x_{S}) \\ f_{p}^{*} (\lambda \theta) (x_{i} \cdots x_{S}) = (\lambda \theta) (f_{\theta}p x_{i} \cdots f_{\theta}p x_{S}) \\ = \lambda \cdot \theta (f_{\theta}p x_{i} \cdots f_{\theta}p x_{S}) \\ = \lambda \cdot \theta (f_{\theta}p x_{i} \cdots f_{\theta}p x_{S}) \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S} \\ = \frac{\partial}{\partial x^{ij}} \frac{\partial}{\partial x^{ij}} \cdots f_{S}$$

(性质-样基本都可推广)

= px08087 (~

(3) 可以