$$=$$
 $y \cdot f_i$

$$J_{77}$$
 $\chi_{i} = y_{1}\gamma_{i1} + y_{2}\gamma_{12} + y_{3}\gamma_{13} = \sum_{k=1}^{3} y_{k}\gamma_{ik}$

$$y = t \chi$$

$$y_i = \gamma_i \chi_i + \gamma_2 i \chi_2 + \gamma_n \chi_n$$

$$\chi' = 0' + 3 \Rightarrow \chi'_i = \alpha_i + \gamma_i$$

$$\Rightarrow \chi_i = \alpha_i + \sum_{i=1}^{3} \gamma_i \chi_i =$$

$$\Rightarrow \chi' = \chi + {}^{t}C\chi \quad .$$

補題 2.52 群 Rの R"への作用が存在し

定義 2.50

s.t Vに随伴する1径数変換群 (Pt(P)=t·P.

(参群RのRⁿへの作用に対る無限小変換)

$$\begin{bmatrix} \frac{1}{6} \mathbb{E} P f \end{bmatrix}$$
 $V(p) = \frac{dV_{t}(p)}{d^{\frac{1}{2}}}\Big|_{t=0}$ $t \neq 0$.

$$\frac{d \psi_{t}(p)}{dt}\Big|_{t=t_{0}} = \frac{d \psi_{t+t_{0}}(p)}{dt}\Big|_{t=0} = \frac{d \psi_{t}(\psi_{t_{0}}(p))}{dt}\Big|_{t=0}$$

$$= V(\psi_{t_0}(p))$$