

$$[W_p^l(X)]^n$$

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$$AU(t) = a(t)U(\alpha(t)) \quad (1)$$

$$L_p(X), \quad 1 \leq p \leq \infty, \quad l-1-$$

$$X -$$

$$\alpha: X \rightarrow X, \quad C^l$$

$$, a(t) - l$$

$$(1) \quad (X), W_p^l(X),$$

$$[L_p(X)]^n \quad [1, 2, 3]$$

$$(1)$$

$$(1) \quad [W_p^l(X)]^n$$

$$\sigma(A, [W_p^l(X)]^n) - [W_p^l(X)]^n \quad A$$

$$1$$

$$\max_{\tau, k} |\lambda_k(\tau)| [\alpha(\tau)]^{-\frac{1}{p}} \geq |\lambda| > \max_{\tau, k} |\lambda_k(\tau)| [\alpha(\tau)]^{l-\frac{1}{p}}$$

$$, \quad \lambda_k(\tau) [\alpha(\tau)]^m, \tau = 0, 1; \lambda_k(\tau) \in \sigma(a(\tau))$$

$$, \quad \lambda \quad A$$

$$2$$

$$\sigma(A, [W_p^l(X)]^n) = \sigma(A_0, [W_p^l(X)]_0^n) \cup \bigcup_{m=0}^{l-1} \sigma(a(0)) [\alpha(\tau)]^m$$

$$A_0 = A \Big|_{[W_p^l(X)]_0^n}$$

1. . . .-1982.-T.264, 5 .1033-1035.
2. . . .-1984.- 4. .18-24
3. . . .-1981.- .116, 1. .87-10