[illegible] 517.95

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[illegible] $\alpha \in (0,1)$ [illegible] ([1] - [13] [illegible]).

[illegible] $\{V_0, V_1\}$ [illegible] A [illegible] V_0 [illegible] $V_1 \subset V_0$.

1. [illegible]

[illegible] $D_t^\alpha g(t) = f_{-\alpha}(t) * g(t)$ -- [illegible] $\alpha \in R$ [illegible] $g(t)$, [illegible]

$$f_\lambda(t) = \frac{\theta(t) t^{\lambda - 1}}{\Gamma(\lambda)} \text{ [illegible] } \lambda > 0 \text{ [illegible] } f_\lambda(t) = f'_{1+\lambda}(t) \text{ [illegible] } \lambda \le 0,$$

$\Theta(t)$ – [illegible], $\Gamma(\lambda)$ – [illegible] ([14], [illegible] 87),

$$I_t^\alpha g(t) = f_\alpha(t) * g(t) = \frac{\theta(t)}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} g(s) ds, \ \alpha > 0,$$

$$\partial_t^\alpha g := \frac{d}{dt}(f_{1-\alpha} * g)(t) - f_{1-\alpha}(t) g(0), \ \alpha > 0$$ – [illegible] $g(t)$.

[illegible] $(f_\lambda * f_\mu)(t) = f_{\lambda+\mu}(t)$, $\lambda, \mu \in R$ ([14], c. 87).

$$D_t^\alpha g(t) = \frac{d}{dt} I_t^{1-\alpha} g(t), \ \partial_t^\alpha g(t) = D_t^\alpha (g(t) - g(0)),$$

$$I_t^\alpha \partial_t^\alpha g(t) = g(t) - g(0), \ \partial_t^\alpha I_t^\alpha g(t) = g(t), \ t > 0, \ \alpha > 0.$$

[illegible] A – [illegible] $\left(V_0, \|\cdot\|_{V_0}\right)$ [illegible] $V_1 \subset V_0$. [illegible] V_1 [illegible] A, [illegible] V_1 [illegible] $E_{10} : V_1 \to V_0$ [illegible].

[illegible] [6] (Prop.1) [illegible] A – [illegible] $\{\Phi_A(t)\}_{t \ge 0}$ [illegible] V_0, [illegible] $R(\lambda - A) = (\lambda - A)^{-1}$ [illegible] V_0 [15] [illegible] $\int_0^\infty e^{-\lambda t} \Phi_A(t) h dt = (\lambda - A)^{-1} h$ [illegible] $Re\lambda > \omega(\Phi_A)$,

$$\omega(\Phi_A) = \inf\left\{\omega > 0 : \sup_{t \ge 0} \left\| e^{-\omega t} \Phi_A(t) \right\|_{\mathcal{L}(V_0)} < \infty\right\},$$

[illegible] $v \in C([0,\infty); V_1)$ [illegible] $\alpha \in (0,1)$, $h \in V_1$ [illegible] v – [illegible]

$$D_t^\alpha v(t) = A v(t) + f_{1-\alpha}(t) v(0), \qquad v(0) = h, \tag{1}$$

[illegible] $t \ge 0$ [illegible] $\partial_t^\alpha v$, [illegible] $L[\partial_t^\alpha v]$, [illegible] $v(t)$

[illegible] $I_t^\alpha v(t) \in V_1$ [illegible] $v(t)$ [illegible]

$$\partial_t^\alpha v(t) = Av(t), \quad v(0) = h, \tag{2}$$

[illegible]

$$v(t) = AI_t^\alpha v(t) + h, \quad t \ge 0. \tag{3}$$

[illegible] $v \in C([0,\infty);V_1)$, $I_t^\alpha v(t) \in V_1$, $v(t)$ [illegible] (13) [illegible] A, [illegible] [6] (Prop.1) [illegible] $v'(t) \in V_0$ [illegible] $v(t)$ [illegible] (1), [illegible] (2).

[illegible]

$$S_{\alpha,A}(t)h = \int_0^\infty \frac{t}{\alpha s^{1+\frac{1}{\alpha}}} g_\alpha\left(\frac{t}{s^{\frac{1}{\alpha}}}\right)\Phi_A(s)h\,ds = \int_0^\infty \Phi_A\left(\left(\frac{t}{s}\right)^\alpha\right) g_\alpha(s)h\,ds,$$

[illegible] g_α [illegible] $exp(-\lambda^\alpha)$, [illegible] $\int_0^\infty e^{-\lambda t} g_\alpha(t)dt = exp(-\lambda^\alpha)$.

[illegible] [5] [illegible] [15] [illegible] A [illegible] $\{S_{\alpha,A}(t)\}_{t\ge 0}$ [illegible] V_0, [illegible] $Z\left(\frac{\pi}{2} + \alpha'\right) = \left\{re^{\omega i}; r > 0, |\omega| < \frac{\pi}{2} + \alpha'\right\}$, $\alpha' < \alpha$, [illegible] t, [illegible] $\{f_{1-\alpha}(t) * S_{\alpha,A}(t)\}_{t\ge 0}$ [illegible] $Z(\alpha)$, [illegible] $v(t) = S_{\alpha,A}(t)h$, $t > 0$ [illegible] (1) [illegible] $h \in V_0$ [illegible] h, [illegible] $g \in L_1([0,T],V_0)$ [illegible] $T > 0$ [illegible]

$$u(t) = AI_t^\alpha u(t) + h + \int_0^t g(s)ds, \quad t \in [0,T]$$

[illegible]

$$u(t) = S_{\alpha,A}(t)h + \int_0^t S_{\alpha,A}(t-s)g(s)ds, \quad t \in [0,T].$$

[illegible] [10] [illegible] C', C_m, $m \in N$, [illegible]

$$\| S_{\alpha,A}(t) \|_{L(V_0)} \le \frac{C'}{1 + |r(A)|\,t^\alpha}, \quad t \ge 0, \tag{4}$$

$$\left\| \left(\frac{d}{dt}\right)^m S_{\alpha,A}(t) \right\|_{\mathcal{L}(V_0)} \le \frac{C_m}{t^m}, \quad t > 0, \quad m \in N.$$

[illegible] (1) [illegible] [8], [illegible] $D_t^\alpha u(t) = Au(t) + D_t^{\alpha-1} g(t)$ [illegible] $\alpha \in (1,2)$ [illegible] [11],. [illegible] [15], [16].

[illegible] $l_\omega := \{re^{i\omega} : r > 0\}$ [illegible] $\omega \in [0, 2\pi]$, [illegible] $\omega_0 \in \left(\frac{\pi}{2}, \pi\right)$ [illegible] C [illegible] $\{0\}$ [illegible] $\Lambda_0 := \bigcup \{ l_\omega : \omega \in [-\omega_0, \omega_0] \}$ [illegible] $\Lambda := \Lambda_0 \bigcup \{0\}$.

[illegible] A [illegible] $A : V_1 \mapsto V_0$, [illegible] $(\lambda E_{10} - A)^{-1}$ [illegible] $\lambda \in \Lambda$ [illegible] $L\ (V_0; V_1)$ [illegible] V_0 [illegible] V_1, [illegible]

$$\mathrm{A} := \left\{ A \in L\left(V_1;V_0\right) : \sup_{\lambda\in\Lambda}\left(\lambda E_{10} - A\right)^{-1}_{L\left(V_0,V_1\right)} = K(A) < \infty \right\},$$

[illegible] $K(A)$ [illegible] A. [illegible]

$$\rho(A) := \left\{\lambda : \left(\lambda E_{10} - A\right)^{-1} \in L\left(V_0;V_1\right)\right\} \quad [illegible] \quad \sigma(A) := \mathbf{C} \setminus \rho(A)$$

[illegible] A. [illegible] [17] ([illegible]), [illegible] A [illegible]

$$\rho(A) \ni \lambda \mapsto \left(\lambda E_{10} - A\right)^{-1} \in L\left(V_0;V_1\right).$$

[illegible]

$$R(\lambda, A) := E_{10}\left(\lambda E_{10} - A\right)^{-1} \in L\left(V_0,V_0\right) := L\left(V_0\right)\ \lambda \in \rho(A).$$

[illegible] A [illegible] $r(A) := \sup\left\{\operatorname{Re}\lambda : \lambda \in \sigma(A)\right\}$ [illegible] V_0. [illegible] A [illegible] A [illegible] $A^{-1} \in L\left(V_0,V_1\right)$,

$$S_{\alpha,A}(t) = \frac{1}{2\pi i}\int_\gamma e^{\lambda t}\lambda^{\alpha-1}(\lambda^\alpha - A)^{-1}d\lambda, \quad t \ge 0$$

[illegible] $\gamma \in r(A) + \Lambda$ [10].

[illegible] A – [illegible] $r(A)$ [illegible] $\omega_0 \in \left(\dfrac{\pi}{2}, \pi\right)$. [illegible] $J \in A$. [illegible] [17]-[19], [illegible] $-J$:

$$(-J)^{-\vartheta} = \frac{1}{2\pi i}\int_{\Gamma_{a,\omega}} \frac{R(\lambda, J)}{(-\lambda)^\vartheta} d\lambda \in L(V_j), \quad 0 < \vartheta < 1, \quad j = 0,1,$$

[illegible]

$$\Gamma_{a,\omega} := \left\{re^{-i\omega} : r \ge a\right\}\bigcup\left\{ae^{i\tau} : \tau \in [\omega, 2\pi - \omega]\right\}\bigcup\left\{re^{i\omega} : r \ge a\right\}$$

[illegible] $a : 0 < a < r(A)$ [illegible] $\omega : \omega_0 - c \le \omega \le \omega_0$, $\dfrac{\pi}{2} < \omega_0 - c < \pi$. [illegible] $(-J)^{-\vartheta}$ [illegible] [19]

$$(-J)^{-\vartheta}(-J)^{-\vartheta'} = (-J)^{-\vartheta-\vartheta'}, \forall \vartheta, \vartheta' > 0 .$$

[illegible] V_ϑ [illegible] J^ϑ $(0 < \vartheta < 1)$ [illegible] $\|x\|_{V_\vartheta} := \left\|(-J)^\vartheta x\right\|_{V_0}$. [illegible] $V_\vartheta = [\cdot,\cdot]_\vartheta$ – [illegible] $\{V_0;V_1\}$, [illegible] ([18], [illegible] 1.15.3).

[illegible] [19] [illegible] $J_{|V_1}$ ([illegible] $A_{|V_1}$) [illegible] ω_0 [illegible] $\{V_0;V_1\}$, [illegible] [17], c. 170–171, [illegible] $\Phi_J(t)$ [illegible] V_0 [illegible] V_1 [illegible] V_0, V_1:

$$\Phi_J(t) = \frac{1}{2\pi i}\int_{\Gamma_{a,\omega}} e^{(t)\lambda}R(\lambda, J)d\lambda \in L\left(V_0\right)\bigcap L\left(V_1\right), \ t \ge 0$$

[illegible] $\Phi_A(t) \in L\left(V_0\right)\bigcap L\left(V_1\right)$, [illegible] $J_{|V_\theta}$ [illegible] $A_{|V_\theta}$ [illegible] ω_0 [illegible] $\{V_\theta;V_{1+\theta}\}$.

2. [illegible]

[illegible] (A): $A \in A$, $\alpha, \theta \in (0,1)$, $X \in L\left(V_\theta, V_0\right)$, $h \in V_1$.

[illegible] (G_{lin}): $g \in C([0,T];V_1)$, [illegible] $f_{\alpha-1} * g \in C([0,T];V_1)$.

[illegible] $t \in [0,T]$

$$D_t^{\alpha} u(t) = (A+X)u(t) + D_t^{\alpha-1} g(t) + f_{1-\alpha}(t)u(0) \;, u(0) = h \,. \tag{5}$$

[illegible] (5) [illegible] u [illegible]

$$C^{\alpha} := \left\{ v \in C([0,T];V_1) : \exists D^{\alpha} u \in C\left((0,T];V_0\right) \right\}$$

[illegible] $u(t)$ [illegible] V_0 [illegible].

[illegible] $u \in C([0,T];V_1)$ ([illegible] (5)) [illegible] $I^{\alpha} u = f_{\alpha} * u \in C\left([0,T];V_1\right)$.

[illegible] 1. [illegible] $A \in A$, $\theta \in (0,1)$, $X \in L\left(V_{\theta}, V_0\right)$, [illegible] $A + X|_{V_1} \in A$, $\Lambda \subset \rho(A) \cap \rho(A+X)$ [illegible]

$$\| R(\lambda, A+X) \|_{L\left(V_0\right)} \le 2 \| R(\lambda, A) \|_{L\left(V_0\right)}, \forall \lambda \in \Lambda \,.$$

[illegible]. [illegible] 2 [illegible] [19] [illegible] $C'' > 0$, [illegible]

$$\left\| \left(\lambda E_{10} - \frac{A}{s} \right)^{-1} \right\|_{L\left(V_0, V_{\vartheta}\right)} \le \frac{C'' s^{\vartheta}}{\lambda^{1-\vartheta}}, \forall \lambda \in \Lambda \setminus \{0\}, \forall s > 0 \,.$$

[illegible] $\left\| \left(\lambda E_{10} - A \right)^{-1} \right\|_{L\left(V_0, V_{\vartheta}\right)} \le \dfrac{C''}{a^{1-\vartheta}}$, [illegible] $a = \left[2C'' \| X \|_{L\left(V_{\vartheta}, V_1\right)} \right]^{\frac{1}{1-\vartheta}}$, [illegible]

$$\left\| X \left(\lambda E_{10} - A \right)^{-1} \right\|_{L\left(V_0\right)} \le \left\| X \right\|_{L\left(V_{\vartheta}, V_0\right)} \left\| \left(\lambda E_{10} - A \right)^{-1} \right\|_{L\left(V_{\vartheta}, V_0\right)} \le \frac{1}{2} \,.$$

[illegible] $L\left(V_0\right)$ [illegible]

$$\left[E_{00} - X E_{1\vartheta} \left(\lambda E_{10} - A \right)^{-1} \right]^{-1} = \sum_{k=1}^{\infty} \left[X E_{1\vartheta} \left(\lambda E_{10} - A \right)^{-1} \right]^{k}$$

[illegible] $\left\| \left[E_{00} - X E_{1\theta} \left(\lambda E_{10} - A \right)^{-1} \right]^{-1} \right\|_{L\left(V_0\right)} \le 2$ [illegible] $\lambda \in \Lambda$. [illegible]

$$\left(\lambda E_{10} - A - X E_{1\vartheta} \right)^{-1} = \left(\lambda E_{10} - A \right)^{-1} \left[E_{00} - X E_{1\vartheta} \left(\lambda E_{10} - A \right)^{-1} \right]^{-1}$$

[illegible]

$$\left\| \left(\lambda E_{10} - A - X E_{1\vartheta} \right)^{-1} \right\|_{L\left(V_0, V_{\vartheta}\right)} \le 2 \left\| \left(\lambda E_{10} - A \right)^{-1} \right\|_{L\left(V_0, V_1\right)}$$

[illegible] $\lambda \in \Lambda$ [illegible] $X \in L\left(V_{\vartheta}, V_0\right)$ [illegible].

[illegible] 1 [illegible] $X \in L\left(U, V_0\right)$ [illegible] $\| X \|_{L\left(U, V_0\right)}$, [illegible] U [illegible] $\{V_0, V_1\}$ [20].

[illegible] 2. [illegible] (A) [illegible] (G_{lin}) [illegible] $u \in C^{\alpha}$ [illegible] (5) [illegible] $u \in C\left([0,T];V_1\right)$ [illegible]

$$u(t) = \left(A + X \right) \left(f_{\alpha}(t) * u(t) \right) + \int_0^t g(s) ds + h \,, \quad t \in [0,T] \,. \tag{6}$$

[illegible]. [illegible] 1 $A + X|_{V_1} \in A$ [illegible] $\Lambda \subset \rho(A) \cap \rho(A+X)$, [illegible] $g \in C\left([0,T];V_1\right)$ [illegible] $\int_0^t g(s) ds$, $t \in [0,T]$ [illegible] $C\left([0,T];V_1\right)$.

[illegible] I_t^α [illegible] (5), [illegible] $u(t)$ – [illegible] (5) ([illegible]), [illegible] $A+X|_{V_1} \in A$ ([illegible] $I_t^\alpha (A+X)u(t) = (A+X)I_t^\alpha u(t) = (A+X)(f_\alpha * u)(t)$) [illegible] u [illegible] (6).

[illegible] $u \in C([0,T];V_1)$ – [illegible] (6), [illegible] D_t^α [illegible] (6) [illegible]. [illegible] $\int_0^t g(s)ds = f_1(t) * g(t)$ [illegible]

$$D_t^\alpha \left(\int_0^t g(s)ds \right) = f_{-\alpha} * \left(f_1(t) * g(t) \right) = \left(f_{-\alpha} * f_1(t) \right) * g(t) = f_{1-\alpha} * g(t) = D_t^{\alpha-1} g(t)$$

[illegible] $D_t^\alpha u(t)$ [illegible] V_0 ([illegible] $u \in C^\alpha$) [illegible] u [illegible] (5).

[illegible] 1. [illegible] (A), (G_{lin}) [illegible] $u \in C^\alpha$ [illegible] (5), [illegible]

$$u(t) = S_{\alpha,A+XE_{1\vartheta}}(t)h + \int_0^t S_{\alpha,A+XE_{1\vartheta}}(t-s)g(s)ds\,, \quad t \in [0,T] \tag{7}$$

[illegible] $E_{1\vartheta}$ – [illegible] $V_1 \to V_\vartheta$.

[illegible]. [illegible] 1 [illegible] $A + XE_{1\vartheta} \in A$ [illegible] $\Lambda \subset \rho(A) \cap \rho(A+X)$, [illegible] $\Phi_{\alpha,A+XE_{1\vartheta}}(t)$ [20], [21], $S_{\alpha,A+XE_{1\vartheta}}(t)$ [illegible] $v_1(t) = S_{\alpha,A+XE_{1\vartheta}}(t)h$ [illegible] C^α, [illegible] (1), [illegible]

$$\frac{d}{dt} I_t^{1-\alpha} S_{\alpha,A+XE_{1\vartheta}}(t) = \left(A+X\right) S_{\alpha,A+XE_{1\vartheta}}(t) + f_{1-\alpha}(t) \ [\text{illegible}]\ V_1\,,\ t \in [0,T].$$

[illegible] $\Phi_{\alpha,A+XE_{1\vartheta}}(t)$, $S_{\alpha,A+XE_{1\vartheta}}(t)$, [illegible] (G_{lin}) [illegible] $v_2(t) = \int_0^t S_{\alpha,A+XE_{1\vartheta}}(t-s)g(s)ds$ [illegible] C^α.

[illegible] $A + XE_{1\theta}$, [illegible] $g \in C([0,T];V_1)$, [illegible] $v_2(t)$ [illegible] (5) [illegible] $h = 0$. [illegible]

$$D^\alpha \left(v(t) + v_2(t) \right) = D^\alpha \left[S_{\alpha,A+XE_{1\theta}}(t)h + \int_0^t S_{\alpha,A+XE_{1\theta}}(t-s)g(s)ds \right] =$$

$$= \left(A+X\right) S_{\alpha,A+XE_{1\vartheta}}(t) + f_{1-\alpha}(t)h + \frac{d}{dt} f_{1-\alpha}(t) * \left(S_{\alpha,A+XE_{1\theta}}(t) * g(t) \right) =$$

$$= \left(A+X\right) S_{\alpha,A+XE_{1\vartheta}}(t) + f_{1-\alpha}(t)h + \left(\frac{d}{dt} f_{1-\alpha}(t) * S_{\alpha,A+XE_{1\vartheta}}(t) \right) * g(t) =$$

$$= \left(A+X\right) S_{\alpha,A+XE_{1\vartheta}}(t) + f_{1-\alpha}(t)h + \left[\left(A+X\right) S_{\alpha,A+XE_{1\vartheta}}(t) + f_{1-\alpha}(t) \right] * g(t) =$$

$$= \left(A+X\right) S_{\alpha,A+XE_{1\vartheta}}(t) + f_{1-\alpha}(t)h + \left(A+X\right) \left(S_{\alpha,A+XE_{1\vartheta}}(t) * g(t) \right) + f_{1-\alpha}(t) * g(t) =$$

$$= \left(A+X\right) \left[S_{\alpha,A+X}(t) + S_{\alpha,A+XE_{1\vartheta}}(t) * g(t) \right] + f_{1-\alpha}(t)h + f_{1-\alpha}(t) * g(t) =$$

$$= \left(A+X\right) \left[S_{\alpha,A+XE_{1\vartheta}}(t) + \int_0^t S_{\alpha,A+XE_{1\vartheta}}(t-s)g(s)ds \right] + f_{1-\alpha}(t)h + D_t^{\alpha-1} g(t).$$

[illegible] (7) [illegible] C^α [illegible] (5).

[illegible] u_1, u_2 – [illegible] (5), [illegible] $u = u_1 - u_2$ [illegible]

$$D_t^\alpha u(t) = (A+X)u(t), \qquad u(0) = 0,$$

[illegible] $u_1(t) = u_2(t)$, $t \in [0,T]$.

[illegible]. [illegible] 1 [illegible] 2 [illegible] (6) [illegible] $C([0,T];V_1)$ [illegible] (A), (G_{lin}). [illegible] (7).

3. [illegible].

[illegible] A, [illegible]

$$L(x,D) = \sum_{|\gamma|\le 2m} a_\gamma(x) D^\gamma, \qquad a_\gamma(x) \in L_\infty(\Omega)$$

[illegible] $\operatorname{Re} a(x,\zeta) = \operatorname{Re} \sum_{|\gamma|=2m} a_\gamma(x)\zeta^\gamma > 0$, [illegible] $\zeta \in \mathbf{R}^n \setminus \{0\}$, $x \in \Omega$, [illegible]

$\gamma = (\gamma_1, \dots, \gamma_n)$ – [illegible] $|\gamma| = \gamma_1 + \ldots + \gamma_n$, $D^\gamma = \dfrac{\partial^{|\gamma|}}{\partial^{\gamma_1} \ldots \partial^{\gamma_n}}$, $\zeta^\gamma = \zeta_1^{\gamma_1} \cdot \ldots \cdot \zeta_n^{\gamma_b}$, [illegible] $a_\gamma \in L_\infty(\overline{\Omega})$, [illegible] $|\gamma| = 2m$ [illegible] $\overline{\Omega} \subset \mathrm{R}^n$ [illegible] C^∞, [illegible] $\left\{B_j(x,D)\right\}_{j=1}^m = \left\{\sum_{|\gamma|\le k_j} b_{j,\gamma}(x) D^\gamma\right\}_{j=1}^m$ [illegible] ([22], c. 178), [illegible] $L(x,D)$ [illegible] [23] [illegible] $k_j < 2m\vartheta - \dfrac{1}{p}$ [illegible] $j = 1, \dots, m$, [illegible] 1 [illegible]

$$D^\alpha u_t = \left[L(x,D) + L_1(x,\theta)\right]u + D^{\alpha-1} f(x,t) + f_{1-\alpha}(t)h(x) \;\; x \in \Omega, t \in [0,T] \quad B_j u|_{\partial\Omega} = 0,$$

$$j = 1, \dots, m \quad u(x,0) = h(x) \tag{8}$$

[illegible]

$$C^\alpha\left(\Omega \times [0,T]; H^{2m}_{p,\{B_j\}}(\Omega)\right) := \left\{v \in C\left(\Omega \times [0,T]; H^{2m}_{p,\{B_j\}}(\Omega)\right);\right.$$
$$\left.\exists D_t^\alpha v \in C\left(\Omega \times (0,T]; H^{2m}_{p,\{B_j\}}(\Omega)\right)\right\}$$

[illegible] $L_1(x,\theta)$ – [illegible] $a_1(x,\xi) = \left[\sum_{|\alpha|\le 2m} a_{1\alpha}(x)(-i\xi)^\alpha\right]^\vartheta$,

$a_{1\alpha}$ – [illegible] Ω,

$$L_1(x,\theta)v(x) = F^{-1}_{\xi\to x}\left[a_1(x,\xi)\left(F_{x\to\xi}[v]\right)(\xi)\right], \quad v \in H^{2m}_{p,\{B_j\}}(\Omega),$$

$H_p^{2m}(\Omega)$ – [illegible] ([24], c.79),

$V_1 = H^{2m}_{p,\{B_j\}}(\Omega) := \left\{v \in H_p^{2m}(\Omega) : B_j(x,D)v_{|\partial\Omega} = 0;\ j = \overline{1,m}\right\}$,

[illegible] $H^{2m}_{p,\{B_j\}}(\Omega)$ [illegible] $H_p^{2m}(\Omega)$ [illegible] $v(x) = 0$ [illegible] $x \notin \Omega$.

[illegible] $(Av)(x) = L(x,D)v(x)$, [illegible] $V_0 = L_p(\Omega)$ $(1 < p < \infty)$ [illegible] V_1,

$$V_\vartheta = H^{2m\vartheta}_{p,\{B_j\}}(\Omega) := \left\{v \in H_p^{2m\theta}(\Omega) : B_j(x,D)v_{|\partial\Omega} = 0;\ j = \overline{1,m}\right\}$$

[illegible] $H_p^{2m\theta}(\Omega)$ [illegible] $2m\theta$. [illegible] $L_p(\Omega)$ [illegible] $H_p^{2m\theta}(\Omega)$. [illegible] $f \in C\left(\Omega \times 0,T; H^{2m}_{p,\{B_j\}}(\Omega)\right)$, $h \in C\left(\Omega; H^{2m}_{p,\{B_j\}}(\Omega)\right)$.

[illegible] [8] [illegible]

ɢʘȴʒdȴ ȴstsdȡsɘtsɕts ʭʘsfɱȴ.

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