[illegible] 517.622

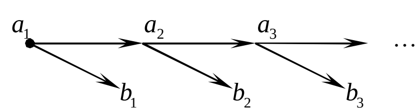
[illegible]

[illegible]

[illegible] 70-[illegible] [1]

$$\cfrac{a_1}{b_1+\cfrac{a_2}{b_2+\cdots}}$$

[illegible]



[illegible]

$$b_0+\sum_{i_1=1}^{N}\cfrac{a_{i_1}}{b_{i_1}+\sum_{i_2=1}^{N}\cfrac{a_{i_1 i_2}}{b_{i_1 i_2}+\cdots}}$$

[illegible] [2].

[illegible]

[illegible] [3]; [4];[5]

$$\int_a^b \frac{a_1(\tau_1)d\tau_1}{b_1(\tau_1)+\int_a^b \alpha_2(\tau_1,\tau_2)+\cdots} = \overset{\infty}{\underset{i=1}{D}} \int_a^b \frac{a_i(\tau^i)d\tau}{b_i(\tau^i)},$$

[illegible] $\tau^i=(\tau_1,\tau_2\ldots\tau_i)\quad (i=1,\infty)$,

$a_i(\tau^i),\ b_i(\tau^i),\ \in C[a;b]^i$ - [illegible].

[illegible]

$$\overset{\infty}{\underset{i=1}{D}}\int_a^{\tau_{i-1}}\frac{a_i(\tau^i)d\tau_i}{b_i(\tau^i)}\qquad(\tau_0=b)$$

[illegible] [5] [illegible] [3]

$$\int_{E_1}\frac{a_1(s_1)\mu(ds_1)}{b_1(S_1)+\int_{E_2}\dfrac{a_2(s_1;s_2)\,\mu(ds_2)}{b_2(s_1;s_2)+\cdots}}$$

[illegible] $\mu(ds_i)$ [illegible]

[illegible]

[illegible] **1**. [illegible] 2-[illegible]

$$y(x)=1+\lambda\int_a^b\kappa(x;\ \tau)\quad y(\tau)d\tau \tag{1}$$

[illegible] (1) [illegible]

$$y(x)=\frac{1}{1-\lambda\int\limits_a^b\dfrac{\kappa(x;\tau)y(\tau)d\tau}{y(x)}}$$

$$\frac{y(x)}{y(\tau)}=1+\frac{y(x)-y(\tau)}{y(\tau)}=1+\lambda\int_a^b\frac{\left[K(x,\tau_1)-(\tau,\tau_1)\right]y(\tau_1)d\tau_1}{y(\tau)}$$

[illegible]

$$\frac{y(x)}{y(\tau)}=1+\lambda\int_a^b\frac{\left[K(x;\tau_1)-K(x;\tau)\right]d\tau_1}{\dfrac{y(\tau_1)}{y)\tau_1)}}=1+\lambda\int_b^a\frac{\left[K(\tau;\tau_2)-K(\tau_1;\tau_2)\right]d\tau_2}{1+\begin{array}{c}\vdots\\ +\lambda\int\limits_a^b\dfrac{\left[K(\tau_{n-2};\tau_n)-K(\tau_{n-1};\tau_n)\right]d\tau_n}{\dfrac{y(\tau_{n-1})}{y(\tau_n)}}\end{array}}$$

[illegible] $n\to\infty$ [illegible]

$$y(x)=\cfrac{1}{1+\lambda\int\limits_a^b\cfrac{-K(x;\tau)d\tau}{1+\lambda\int\limits_a^b\cfrac{\left[K(x;\tau_1)-K(\tau;\tau_1)\right]d\tau_1}{1+\lambda\int\limits_a^b\cfrac{\left[K(\tau;\tau_1)-K(\tau_1;\tau_2)\right]d\tau_2}{1+\cdots}}}}$$

[illegible]

$$y^{-1}(x)=f(x)+\lambda\int_a^b K(x;\tau)y(\tau)d\tau$$

[illegible]

$$y(x)=\cfrac{1}{f(x)+\int\limits_a^b\cfrac{K(x;\tau_1)d\tau_1}{f(\tau_1)+\int\limits_a^b\cfrac{K(\tau_1;\tau_2)\partial\tau_2}{\Theta(\tau_2)+\cdots}}}.$$

[illegible]

$$y(x) = f(x) + \lambda \int_a^b \frac{K(x;\tau)d\tau}{c(\tau) + y(\tau)}$$

[illegible]

$$H(t) = 1 + \int_0^1 \frac{t\varphi(\tau)}{t+\tau} H(t)H(\tau)dt, \quad (2)$$

[illegible] $\varphi(t)$ - [illegible] $\int_0^1 \varphi(\tau)d\tau \le \frac{1}{2}$

[illegible]

$$H(t) = \cfrac{1}{1 - \int_0^1 \cfrac{f(t;\tau_1)d\tau_1}{1 - \int_0^1 \cfrac{f(\tau_1;\tau_2)d\tau_2}{1 - \vdots}}}, \quad [illegible] \quad f(t;\tau) = \frac{t\varphi(\tau)}{t+\tau}, \quad \tau_0 = t$$

[illegible] (2) [illegible]

$$H(t) = \left(b + \sum_{i=1}^{\infty} \int_0^1 \frac{\frac{\tau_i}{\tau_{i-1} + \tau_i}\varphi(\tau_i)}{b} d\tau_i \right)^{-1},$$

[illegible] $b = (1 - 2\int_0^1 \varphi(\tau)dt)^{1/2}, \quad \tau_0 = t.$

[illegible] 3. [illegible] 2-[illegible]

$$y\,y^1 = f_2 = (x)\;y + f_1(x)$$

$$y(a) = y_0; \quad f_1(x) \ne 0, \quad x \in [a;x].$$

[illegible] 2-[illegible]

$$y(x) = y_0 + \int_a^x f_2(x)dx + x\int_a \frac{f_1(x)dx}{y(x)}$$

[illegible]

$$y(x) = f(x) + \int_a^x K(x;\tau) \quad y^{-1}(\tau)d\tau$$

[illegible]

$$y(x) = f(x) + \int_a^x \cfrac{K(x;\tau_1)d\tau_1}{f(\tau_1) + \int_a^{\tau_1} \cfrac{K(\tau_1;\tau_2)d\tau_2}{f(\tau_2) + \cdots}}$$

[illegible].

[illegible] 5. [illegible]

$$
\begin{cases}
\dot{x} = \dfrac{K}{m} - \alpha \\
\dot{y} = Ax - \beta \\
\dot{m} = C\gamma - \gamma m
\end{cases}
$$

[illegible] α, β, γ [illegible].

$x = x(t),\ m = m(t),\ y = y(t)$ - [illegible]

[illegible]

$$y(t) = y_0 + A\int_0^t x(\tau)d\tau - \beta t;$$

$$m(t) = f(t) + L\int_0^t e^{j(s_1 - t)}\left(\int_0^{s_1} x(s_2)ds_2\right)ds_1;$$

$$x(y) = x_0 - \alpha t + K\int_0^t \frac{ds}{m(s)},$$

[illegible] $f(t) = m_0 e^{-jt} + \dfrac{c}{g^2}(\beta jt - y_0 j + \beta) + \dfrac{c}{j_2}(y_0 j - \beta)e^{jt};\ L = AC$

[illegible] $x(t)$ [illegible]

$$x(t) = x_0 - Lt + \int_0^t \frac{ds}{\varphi(s) + \alpha\int_0^s\int_0^{s_1}\int_0^{s_2} \dfrac{e^{\alpha(s_1 - s_2)}ds_1 ds_2}{\varphi(s_2) + \cdots}}$$

[illegible]

$$\sum_{i_1=1}^{n}\int_a^b \frac{K(t;\tau_1)d\tau_1}{B_{i_1} + \sum_{i_2=1}^{n}\int_a^b \dfrac{K(\tau_1;\tau_2)d\tau_2}{B_{i_2} + \cdots}}$$

[illegible]

1. [illegible], 1974, [illegible] 269.
2. [illegible], 1986, [illegible] 174.
3. [illegible], 1994, [illegible] 204.
4. [illegible] 119, [illegible], 1974, [illegible] 144-146.
5. [illegible], 1986.