7.2. | 1(10)

$$\frac{1}{2} y \frac{dy}{dx} = \frac{e^{x}}{1+e^{x}} F_{1}^{A}F_{1}^{A}.$$

$$\frac{1}{2} y^{2} = \ln(1+e^{x}) + C. \quad CER.$$

7.2.2.

(4) $\frac{1}{1} \frac{1}{1} \frac{1}{1}$

所以
$$y = x^2 - 2 + \frac{Q}{e^{\frac{1}{2}x^2}}$$
, CER .
国为 $y(0) = 0$, FT以 $C = 2$.

岩水和五剂成一3时,静田可行, IMITE (= ATC, CEIR.

 $\frac{1}{1} = \frac{1}{1} = \frac{2C}{2X}, C \in \mathbb{R}.$

 $\frac{AP}{-x+y+3} = Ce^{2x}, Celk.$

夏年: 约= x + 或约= x - 3 或 $\frac{-X+y+1}{-x+y+3} = Ce^{3X}, CEIR.$

 $\frac{\partial f}{\partial x} = \frac{\int dx - x dy}{x^2} + \frac{\int dx}{x^2} = 0.$

If $y = \frac{\ln x}{x^2} dx$

Fifty
$$\frac{1}{x} = \int \frac{\ln x}{x^2} dx$$

$$= -\frac{\ln x}{x} - \frac{1}{x} + C, \quad C \in \mathbb{R}.$$
Fifty $g = -\ln x - 1 + Cx$, $C \in \mathbb{R}.$

(7) $Q = \frac{1}{x}$, $Q = \frac{1}{2}$ $Q = \frac{1}{2}$ $Q = \frac{1}{2}$ $Q = \frac{1}{2}$

(7) $Q = \frac{1}{x}$, $Q = \frac{1}{2}$ $Q = \frac{1}{2}$ $Q = \frac{1}{2}$

Fifty $Q = -\frac{1}{2}$ $Q = \frac{1}{2}$ $Q =$

$$\frac{2x}{Mx+c}, \quad 2 \in \mathbb{R},$$

$$\frac{2x}{Mx+c}, \quad 2 \in \mathbb{R},$$

$$\frac{2x}{Mx+c}, \quad x = x.$$

(12)
$$(x^2 + y^2) dx + 2xy dy = 0$$
.
 $(x^2 + y^2) dx + x dy^2 = 0$.
 $(x^2 + y^2) dx + x dy^2 = 0$.
 $(x^2 + y^2) dx + x dy^2 = 0$.
 $(x^2 + y^2) dx + x dy^2 = 0$.
 $(x^2 + y^2) dx + x dy^2 = 0$.
 $(x^2 + y^2) dx + x dy^2 = 0$.
 $(x^2 + y^2) dx + x dy^2 = 0$.

$$(13). \pm x = \frac{2}{2} \text{ M}, \quad y = -\frac{1}{4}.$$

$$\pm x + \frac{2}{2} \text{ M}, \quad \frac{dy}{dx} = \frac{x+29t1}{2x-3}$$

$$4 = x - \frac{2}{2}, \quad y = y + \frac{1}{4}.$$

$$2 = \frac{1}{2} + \frac{2}{2} + \frac{1}{2}$$

$$2 = \frac{1}{2} + \frac{2}{2} + \frac{2}{2} + \frac{1}{2} + \frac{2}{2} +$$

$$\frac{du}{dv} = \frac{u}{dv} v + w.$$

$$\frac{du}{dv} = \frac{dw}{dv} v + w.$$

$$\frac{dw}{dv} v + w = \frac{(t \ge w)}{2}$$

$$\frac{dw}{dv} v = \frac{1}{2}$$

$$\frac{dw}{dv} v = \frac{1}{2}$$

$$\frac{dw}{dv} v = \frac{1}{2}$$

$$\overline{Pfr} = \frac{1}{2} |M| + C , CER.$$

$$\overline{Pfr} = \frac{1}{2} |M| \times -\frac{3}{2} + C(x - \frac{3}{2}) - \frac{5}{4}.$$

$$CER.$$

$$3\beta \pm y = \frac{1}{2}(x-\frac{2}{2})M(x-\frac{2}{2}) + C(x-\frac{2}{2}) - \frac{5}{4}$$

$$C \in [R, x + \frac{3}{2}]$$

 $\frac{1}{\sqrt{2}} = 0 + \frac{1}{\sqrt{2}} = 0 + \frac{1$

(2) $\Rightarrow p = y'$. By y'' = p'.

For y'' = p''.

For y'' = p''

当中中成一样。可解的符:

$$P = C_1 \times \dots \times P_1 \times P_1 = C_1 \times \dots \times P_1 \times P_1 = P_1 \times P_1 \times \dots \times P_1 \times P_1 = P_1 \times P_1 \times$$

Pay = 3Ny. 可解件: 与产= 2岁至十个月 y(x) = 4/3 + C1 用 y(0)=2. 与 y(0)=1 可原外 FAN (1(x) = 41) = FM Y (x) = f 2 y = . $\frac{1}{2} \frac{1}{2} \frac{1$ FAM y(x) = (\(\frac{1}{2} \times + \Gamma_3 \)^\tag{C3} = (\(\frac{1}{2} \t 电火的二, 可染了了. FAW y(x) = (1+ \frac{1}{2}x)4.

(6). $\triangle p = y^{\alpha}$, $\triangle y = y^{\alpha}$, $\triangle y = y^{\alpha}$. $P = \pm y = y^{\alpha}$, $\triangle y = y^{\alpha}$. $P = \pm y = y^{\alpha}$, $\triangle y = y^{\alpha}$. $P = \pm y = y^{\alpha}$, $\triangle y = y^{\alpha}$. $P = \pm y = y^{\alpha}$, $\triangle y = y^{\alpha}$. $P = \pm y = y^{\alpha}$, $\triangle y = y^{\alpha}$. $P = \pm y = y^{\alpha}$, $\triangle y = y^{\alpha}$. $P = \pm y = y^{\alpha}$, $\triangle y = y^{\alpha}$. $P = y^{\alpha}$, $\triangle y = y^{\alpha}$, $\triangle y = y^{\alpha}$. $P = y^{\alpha}$, $P = y^{\alpha}$, P

 $\frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2$