

$$\Rightarrow \rho_2 x e (= 0 = (\rho_2 x e) \mu =$$

$$S = \mu_p x + \lambda \log x - C$$

$$O = \phi P = \phi(M(x_1)Ax + N(x_1)Bx)$$

$$ex \rho = (\rho_{\text{ex}}) \rho S$$

$$0 = \operatorname{Pf}(\int_M a_i y_i dx + \int_{\Gamma} b_i y_i ds)$$

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$(h(x))$

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(6) \rightarrow Exact equation [解題法(6)]

$$\frac{2}{1+\cos^2 t} = \frac{2}{1 + \frac{1}{4}(1+2\sin t + \sin^2 t)} = \frac{2}{\frac{5}{4} + \frac{1}{2}\sin t} = \frac{8}{5 + 4\sin t} = \frac{8}{5 + 4(\sin t + C)}$$

$$X_p = \frac{1}{t} p + \frac{1}{t^2} s \quad \text{and} \quad X_p = \frac{1}{t} p + \frac{2s}{t} \quad \Rightarrow \quad X_p - \frac{1}{t} p = h_p \quad (= h + X = 1)$$

$$\text{E.g. Find } y' = \tan^2(x+y) \quad \text{S. } y_1 = \frac{dy}{dx} = \frac{\sec^2(x+y)}{1+\tan^2(x+y)}$$

$$2+hp\left\{ -\frac{5+1+hfq}{7p} \right\} c = (7)f = \frac{Xv}{q} = \frac{Xv}{hp} c = \frac{q}{Xpv - 7p} = \bar{p}c \Rightarrow 7 + hq + Xv = 7 \Leftrightarrow (7 + hq + Xv)f = 1, p \quad (3)$$

$$\therefore C = 7P_0 + hP_0 \frac{C+7}{C-7} \Leftrightarrow C = hP_0 - 7P_0 = hP_0 \frac{C+7}{C-7} \Leftrightarrow C =$$

$$O = \left(h_{P+1}(t) + h_P(t-3) \right) \cdot e^{4t+3} = O = X_P \left(t+P-2 - X_P + h_{P+1}(t-X_P) \right) \cdot e^{4t+3}$$

$$\frac{dx}{dt} = f(x) \quad x(0) = x_0$$

$$(G + \Delta E f) \quad \text{with} \quad f = \frac{1}{\alpha_1 x + \alpha_2 y} \quad (= \frac{1}{\alpha_1 x + \alpha_2 y})$$

$$= (2u - 5v) \frac{du}{dv} - (2u + 4v) = 0 \quad (\text{homogeneous equation})$$

$$h_p = p_{\mu} p \quad x_p = \cancel{p}_{\mu} \cancel{p} \quad (1) \text{ (中等质量核子)} \quad n = 1 - h \quad l = h \quad u = q - h + x_2 \\ n = 1 - x \quad l = x \quad o = q + h - x_2$$

$$\text{If } \frac{\partial f}{\partial x} + \frac{\partial g}{\partial y} = 0 \text{ has a solution, then } \int_a^b g(x) dx - \int_a^b f(x) dx = 0$$

$$(a_1x+b_1y+c_1) dx + (a_2x+b_2y+c_2) dy = 0$$

homogeneous equation \rightarrow not homogeneous