$$\frac{\varepsilon}{1} - \chi \frac{\varepsilon}{\tau} + \chi = \frac{\chi p}{\tau p} \frac{\varepsilon}{1} + \frac{\chi \gamma p}{\tau z p} \iff$$

$$1 - \chi \tau + \chi \varepsilon = \frac{\chi p}{\tau p} + \frac{\chi \tau p}{\tau z p} \varepsilon \qquad (\varepsilon)$$

$$N_1 = Ax^3 + Bx^2 + Cx$$

$$\int_{0}^{\infty} (B + C = 0) = A^{2} + 2 d \times X$$

$$S = \frac{5}{8} = \frac{1}{8} = -2$$

$$S = \frac{5}{8} = \frac{1}{8} = -2$$

$$S = \frac{5}{8} = \frac{5}{8} = -2$$

$$XS - \frac{1}{2} \times \frac{1}{8} = 0$$

$$XS - \frac{1}{2} \times \frac{1}{8} = \frac{1}{8} = \frac{1}{8} \times \frac{1}{8} = \frac{1}{8} = \frac{1}{8} \times \frac{1}{8} = \frac{1}{8} =$$

$$A = \{A \mid A = \{A \mid A$$

$$\chi = \chi + \chi_2 + \chi_3 = \chi_3 - \chi_4 = \chi_4 + \chi_5 + \chi_5 = \chi_5$$

$$y = c_1 + c_2 = \frac{1}{3}x + x^3 - \frac{3}{26}x^2 + 5 = 0$$

$$\int_{C} = C \cos 2x + C \sin 2x - \frac{4}{3}x \cos 2x \times C$$

1 = (-4A - 4Bx) = inzx + (4B - 4Ax) = "1

N = A coszx-2Axsin2x + Bsin2x +2Bxcos2x

表表29月期

y = (C, + C, x) Cos2x + (C3+ C+x) sh2x

2148年了計車2:122:5 124, 12 41新,54

0 = = (7+2)

2+ 482+16=0

 $0 = \frac{1}{2}91 + \frac{3}{2}\frac{3}{4}\frac{9}{4} + \frac{3}{4}\frac{9}{4}\frac{9}{4}$ (1)

, 件、东野芹型群

NS I, NS I = 2

4B=0 -: A=-3, B=0

XINIS & = X2200 Elt + XINIS AT -

(XS niz 8 + 262 cos A) X = 1

J= C COS JX+Cz SMZX

の=サギを、注話な掛群

X5 ris & = 6 + + = xp (2)

「いっける阿特許は武徳到京、北

、24人中对发热

工工期主建了九

工工机锅—

,5JA オトコドキ

(4)
$$(y^3 \sin 2y + 3x^2y) dx + (2xy^3 \cos 2y - 2x^3) dy = 0 (170)$$

$$M = y^3 \sin 2y + 3x^2 y$$
, $N = 2xy^3 \cos 2y - 2x^3 \times 43x$

$$\frac{JM}{JJ} = 3J^2 \sin 2J + 2J^3 \cos 2J + 3\chi^2$$

$$\frac{\partial N}{\partial x} = 2 y^3 \cos 2y - 6 x^2$$

$$\frac{JM}{JJ} - \frac{JN}{Jx} = 3J^2 \sin 2J + 9x^2$$

$$\left(\frac{\partial M}{\partial J} - \frac{JN}{Jx}\right) / M = \frac{3(y^2 \sin 2y^2 + 3x^2)}{y^3 \sin 2y^2 + 3x^2y^2} = \frac{3(y^2 \sin 2y^2 + 3x^2)}{y(y^2 \sin 2y^2 + 3x^2)} = \frac{3(y^2 \sin 2y^2 + 3x^2)}{y(y^2 \sin 2y^2 + 3x^2)} = \frac{3}{y}$$

Jだけの関数でなったので、これをQ(な)でかくと横分四子e-「ainはは

$$e^{-\int \frac{3}{7} dJ} = e^{-3log^{2}} = e^{log^{2}} = \frac{1}{y^{3}}$$

積分因子を与其の両辺にかけて、

$$\left(\sin 2y + \frac{3x^2}{y^2} \right) dx + \left(2x \cos 2y - \frac{2x^3}{y^3} \right) dy = 0$$

$$\left(\sin 2y + 2x \cos 2y dy \right) + \left(\frac{3x^2}{y^2} dx - \frac{2x^3}{y^3} dy \right) = 0$$

$$d(x \sin 27) + d(x^3 y^{-1}) = 0$$

よ、こ一般解は

$$\chi \sin 2y + \frac{\chi^3}{y^2} = C$$