

$$\frac{\partial f}{\partial x} = x^0 \cdot x(1-x)$$

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$$\frac{dx}{x(1-\frac{x}{4})} = \pi \cdot dx$$

$$\frac{A}{X} + \frac{B}{1-X} = A - \frac{AX}{R} + BX = 1 = 7A - 1 = 7B = 1$$

$$\int \frac{1}{\sqrt{1-x}} dx$$

$$\int \frac{1}{x} = -\ln x$$

$$\int \frac{1}{k - x} = \ln(k - x)$$

$$\ln |x| - 2 \ln |k-x| = \pi_0 \cdot t + \kappa$$

$$\ln (x) = \pi_0 \cdot t + \kappa$$

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In (X) = notte

$$\frac{x}{k-x} = e^{x_0 x + x_0}$$

$$x = e^{x_0 x + x_0}$$

$$x = k \cdot e^{x_0 x + x_0}$$

$$x(t) = \frac{c k \cdot e^{Rot}}{1 + c \cdot e^{Rot}}$$

$$\frac{c k}{1 + c \cdot e^{Rot}} = \frac{c k}{1}$$

$$\frac{1 + c \cdot e^{Rot}}{1 + c \cdot e^{Rot}}$$

a) y sint + 2y cos (x)=1 | : sint

$$y' + 2 \frac{\cos x}{\sin x} = \frac{1}{\sin x}$$

$$P(x) = \frac{1}{\sin x}$$

$$\frac{1}{y} + \frac{1}{x} \frac{x}{x}$$

$$\frac{1}{y} = -\frac{1}{x} \frac{x}{x}$$

$$\frac{1}{x} \frac{1}{x} \frac{1}{x}$$

$$yp = \frac{c(x)}{\sin^2 x}$$

$$\frac{\chi_{p}}{\sqrt{2}} = \frac{\kappa_{p}(\chi) - ain^{2}\chi}{\sqrt{2}} = \frac{\kappa_{p}(\chi)}{\sqrt{2}} = \frac{\kappa_{p}(\chi)}{\sqrt{2}$$

$$\frac{z^{3}(x)}{\sin^{3}x} - \left(\frac{3\cos x}{\sin^{3}x}c(x)\right) + \left(\frac{3\cos x}{\sin^{3}x}e(x)\right) = \frac{1}{\sin^{3}x}$$

$$\frac{e^{3}(\lambda)}{2h^{2}\lambda} = \frac{1}{2h^{2}\lambda}$$

$$\frac{1}{(\lambda)} = -\frac{1}{(\lambda)} + \frac{1}{(\lambda)} = \frac{$$

$$M_{1}(x) = e^{2x} \cos(\sqrt{2}x)$$

$$M_{2}(x) = e^{2x} \sin(\sqrt{2}x)$$

$$M = e^{2x} \cos(\sqrt{2}x) \cdot (2e^{2x} \sin(\sqrt{2}x))$$

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$$M_{2}(x) = e^{2x} \cos(\sqrt{2}x) \cdot (2e^{2x} \sin(\sqrt{2}x))$$

$$Mp = \alpha x + b$$

$$Mp^{3} = \alpha$$

$$\Delta p^{3} = 0$$

$$0 - 4\alpha + 6\alpha l + 6b = 12x + 6$$

$$\alpha = 2$$

$$-8 + 6b = 6$$

$$6b = 14$$

$$b = \frac{4}{3}$$

$$f(x, y) = 3x^2 + 4$$

$$y_{n+1} = y_n + f(x_n) y_n \cdot h$$

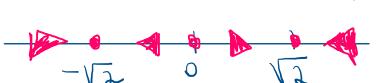
$$k=1 \\ M_1 = 1 + f(x_0, y_0) \cdot 1 = 2 \\ \times 1 = 1$$

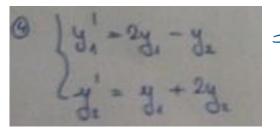
$$3 x - x_3 = 0$$
  $x(3-x_3) = 0$   $x(2-x)(x_2+x)$ 

$$\chi = 0$$
  $(3 \chi - \chi)^3$ 

$$X^{1} = 0 \qquad (3 \times -x_{3}) = 3 - 3 \times 3$$

$$x_2 = \sqrt{2}$$
 $x_1 = 0 = 7$ 
 $x_2 = \sqrt{2}$ 
 $x_3 = -\sqrt{2}$ 





$$=7 M_{2} = M_{1} + 2 M_{1}$$
 $M_{2}' = M_{1} + 2 M_{2}$ 

$$M_1^{(1)} = 3M_1^{(1)} - M_2^{(1)}$$
 $M_1^{(1)} = 3M_1^{(1)} - (M_1 + 3(-M_1) + 3M_1)$ 
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var9 Page

~ (m)

$$\Delta = 16 - 72 = 0$$

$$\Delta = 16 - 92 = 0$$

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$$\Delta = 10 - 9$$

 $M_2(\lambda) = -M_1(\lambda)$