15 February 2024 13:28

Solve the following

22 = XY,
Ju2 = XY,

2

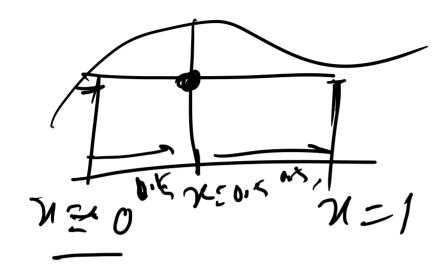
dy d₁2 + my = 1'

801/1(1)

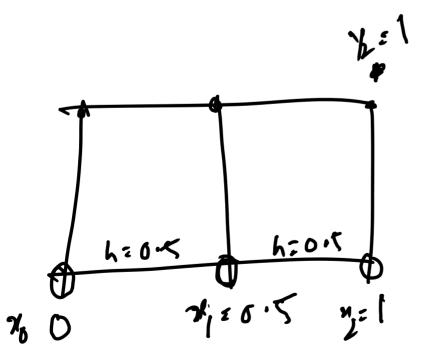
3" = Xy

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rena Method



h=0.5



$$3'' = 77''$$

$$3'' = 77''$$

$$3'' = 77''$$

$$3'' = 77''$$

$$3'' = 77''$$

$$4'' = 24'' + 4'$$

$$4'' = 24' + 4'$$

$$4'' = 24' + 4'$$

$$4'' = 24' + 4'$$

$$4'' = 84' + 4'$$

$$4'' = 84' + 4'$$

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 $-\chi_i Y_i = 0$

1 /2=1,,9

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2) ー スリソノ = ひ

Y2 - X, Y, = 0

, - ½ Y, = 0 w

e Section 2 Page 5

12 15

$$= \frac{100}{450} - 815$$

$$= \frac{100}{450} - 815$$

$$= \frac{100}{470} - \frac{100}{815}$$

Putty 2=0 in (x) 4 (y=1-246+2

$$y_1 + y = 0$$

$$y_1 = -4$$

$$\frac{y_{1}-y_{-1}}{2\times1.7} \Rightarrow y_{0}-y_{1}+y_{-1}=0$$

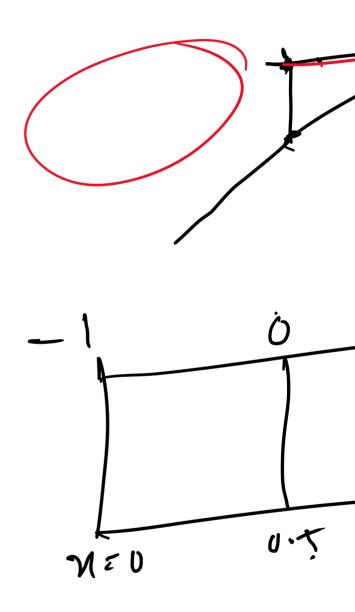
1.1

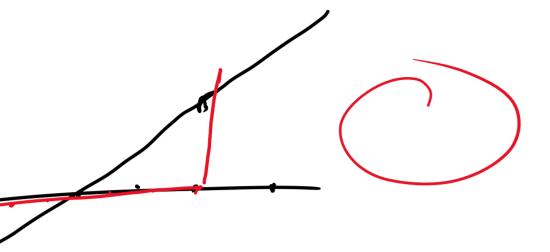
 $\frac{1}{2} = 0$ $\frac{1}{4} - \frac{1}{4} = 1$

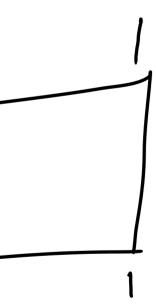
 $+ y_1 = 0 \qquad (2)$

- Y₀= 0

- 71=05 - 72=1









$$\begin{array}{c|c}
h = 0.3 \\
\chi_0 = 0 \\
\hline
\chi_0 = 1
\end{array}$$

$$\begin{array}{c}
h = 0.3 \\
\chi_0 = 1
\end{array}$$

$$\begin{array}{c}
\chi' = 0 \\
\chi' = 0
\end{array}$$

$$\begin{array}{c}
\chi' = 0 \\
\chi' = 0
\end{array}$$

$$\begin{array}{c}
\chi' = 0 \\
\chi' = 0
\end{array}$$

$$\begin{array}{c}
\chi' = 0 \\
\chi' = 0
\end{array}$$

$$y(0) = 1$$
 $y'(0) = -1$
 $y'(0) = -1$

$$\frac{2}{2}$$
, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$; $\frac{1}{2}$

perdi perdi $\frac{70^{-1}}{20^{-1}}$ $\frac{1}{20^{-1}}$ $\frac{1}{20^{-1}}$

 $K_1 = ff(x, y, 2) = 2 =$ $K_2 = ff(x, y, 2) = 2 =$ $K_2 = ff(x + \frac{1}{2}, y + \frac$

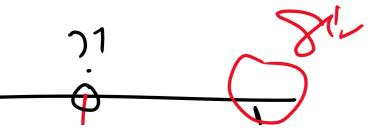
y'' = Y(y-x),

F.D.M

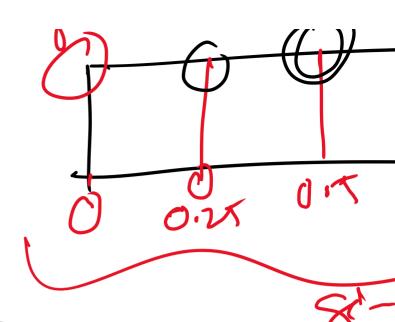
Som z= U.

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$$7+27$$
 $M_1 = y_1 + \frac{1}{6}(K_1)$
 $2+\frac{M_1}{2}$



Ji+1 - 270 (98)



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