X10=1-4146 &(1.4146)=0.001170

	\$
Columbia Mat = f alponer 12/20 []	}
1- Part 0.05 0.10 0.15 # 0.20 0.25	\[\tau_{
8=Pay 0.0000 0.05 0.10 -0-15 = 0.20 0.25	\ \ \(\frac{1}{4}\cdot(\chi_0) = \frac{1}{h^2} \[\Delta^2 y_0 - \Delta^3 J_0 + \frac{1}{12} D^4 J_0 - \frac{5}{6} \Bar{3} J_0 \]
X=-1 = 1) + 101 - hall 00 00 12 00 0
lege 10'4 & W"4 mi Won Kingto 0= X & 1-0=X	5
5.0	$ = \frac{1}{(0.05)^2} \left[\frac{-3}{10} - 1.0 \right] \times \left[\frac{-3}{11} \times \frac{3}{11} \times \frac{3}{11} \times \frac{3}{11} \right] $
	$= 7 \times 10^{-3}$
h = 0.05	
x 1 3 = 2 cm Dyo Dyo Dyo	$\alpha \overline{\chi} = 0.1 \qquad \alpha = \frac{\chi - \chi_0}{h} = \frac{0.1 - 0.2}{0.05}$
0.00 0.002	4'(01) = 1 [D] + (d-1) D2J
0-05 0-10017	
005 0 10011	+ 1/6 (3d2-6d+2) D3Jo
(c-10) c-20134	+ 1 (2 d3 - 9 d2 + 11 d - 3) Dy +]
0. To 318	1-12 (20 - 30 +11 d - 31 Dd +)
0.15 6-30452 3.05×10 3X10 3X10 (f'(0-1) = -0.05 [0.103 8 + (2-1) 3.05 X1.3
0.20 0.41075 4.12 Xlo	2)
	+ \frac{1}{6} (3(2)^2 - 6(2) + 2) \land \land \tau \tau \tau \land
0-25 0.52110	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
	$f''(c-1) = \frac{1}{12} \left[p_2 \int_{-1}^{2} + (q-1) p_3 \int_{-1}^{2} + \cdots \right]$
f'(x) = 1 [03, -2 037 + 3 037 - 1 07, + = 027)	
	= 1 - 0/X 20. E] 5 (20. E)
= 1 [0.10017-12×10-3+13×1.01×10-3-14×3×10-5]	
= .999	

الت عن العم

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اوت بناع و (x) عدالقام و X=Y و (x) عدالقام و Y=X



تتس جدول الغزون المفترسة

*	8=PCX)	0%	270	53,	7. 0	
4	1	_				
6	3	2	3			
0	6	5	_	4		
9	3	12	7			
lo	20					

$$f'(x_0) = \frac{1}{h} \left[D y_0 - \frac{1}{2} D^2 y_0 + \frac{1}{3} D^3 y_0 + \dots \right]$$

$$f'(4) = \frac{1}{2} \left[2 - \frac{1}{2} \cdot 3 + \frac{1}{3} \cdot 4 \right] =$$

$$= \frac{1}{2} \left[2 - \frac{3}{2} + \frac{4}{3} \right] = 0 - 917$$

$$f''(4) = \frac{1}{h^2} \left[D^2 y_0 - D^3 y_0 \right] = \frac{1}{4} \left[3 - 4 \right] = -\frac{1}{4}$$

$$f''(4) = \frac{1}{h^3} \left[D^3 y_0 \right] = \frac{1}{8} \cdot 4 = \frac{1}{3}$$