

SNS COLLEGE OF ENGINEERING Coimbatore – 641 107



TOPIC: 2.7.NEWTON'S FORWARD INTERPOLATION FORMULA

Neutron's proceed and backward disjounce formulas.

Neutron's proceed garmala: [Fair equal intervals] (s):

Let yeper denote a punction which takes

The Values yo, y, your, yn consesponding to the

Values 20, 21, ..., xn respectively of x The value of

'x are equi-distant.

(8)
The parmula is used to exceepolate the values g &
news to the beginns value of the colle.
Neuten's lockward Interpretation formula:
C and disposit (V):
1 at Walley dende a punchan amon buses
The section 12 to 4 Contractors to
20, 21, in suspectively g x. The value g "x" and
equi-distant
$\mathcal{Z}(\kappa) = \frac{1}{4} + \frac{n}{4!} \nabla_{ijk}^{ij} + \frac{n(m+1)}{2!} \nabla_{ijk}^{ij} + \frac{n(m+1)(n+2)}{2!} \nabla_{ijk}^{ij} + \cdots$
where no x-20
The formula is word at interprete the while y is
nome to the end easte.
Duttent
1. Find The Values of 4 out: x=21 and x-28 from the
jollaning datu
2: 20 23 26 29
90x) : 0.94x0 0.5807 0.4584 0.4848
Solution
LA DISTRIBUTE DE LA PRINCIPA DEL PRINCIPA DE LA PRINCIPA DEL PRINCIPA DE LA PRINCIPA DEL PRINCIPA DE LA PRINCIPA DE LA PRINCIPA DE LA PRINCIPA DEL PRINCIPA DE LA PRINCIPA DEPUNDA DE LA PRINCIPA DEPUNDA DE LA PRINCIPA DE LA PRINCIPA DEPUNDA DE LA PRINCIPA DE LA PRINCIPA DE LA PRINCIPA DE LA



SNS COLLEGE OF ENGINEERING Coimbatore – 641 107



1983	y	196	23	43	
	0.3420		-0.001	_0.0003	
22	C-8707	c 0477	- 0 mm3	2,5003	
26	0-4584	0-02/64		N	
24	c-4918	0-02/64			
		1= 3-30			
+ (42 =)	(2i) = 0 0.333 i) = 0.3	1-20 = 1 8 k 20 + 0 6667 8; 683	0 999 0-333 (004)G 1-4667)	co.coes)	
4 (ye =) 1	(21) = 0 0.353 () = 0.3 Neuzmin	3490 + 1 3490 + 1)(+0 6867 t) 583 4 backson 4 948 + 6	0-333 (004 15 (004)	(0.0003)	ule de



SNS COLLEGE OF ENGINEERING Coimbatore – 641 107

