M3 G-2

1 Storoolor39

0-1

on the know -1 1 converge to 0

$$a_{n} = \frac{S_{N}(n^{2}+1)}{n^{2}} + n^{2} \left(\sqrt{1+1} - 1 \right)$$

N = 230

The Hau the seines convages is 1/2. with a sullar bolow therfor an conveyes at 1/2.

Som Culpta Someoner 29 502-30+4 0=1 03+50 $= \sum_{n=1}^{\infty} \frac{v(v_3+2)}{v(v_3+2)}$ Applying Sinit 800-State was -T = T = X(-3+2) ~ = 2 70 ~ = 2 70 Acc. to p test if in diverges than Un also diverges

Therefore, Vn divages

on als diverges. Merce

Merce does not converges.

(York G-pta) Seosooolo239

f(n)= von + 2n + sin/n
given intered (-1,1)

and we know the do of (n) = + (n)

2 num + 2n + Sin 1/n on -1, 1

 con_{2} sin (0) = 0 sin (0) = 0 sin (0) = 0 sin (0) = 0

Merce et will he a point wise

10 July 5

0-9 17+43+62- N-3=0

f(0) . +(1) < 0

i. a 7120t lien blu 0.4.1 a=0, b=1

now,

V.200					
	0 1	an	p~	m=cv+pv	4 (40)
	O	0	1	0.5	-1.4375
		0.5	(0.35	1.6584
		0.5	0-75	0.625	20.152099
	3	0.625	0.45	0.6875	0.671676
	4	0.625	0.63	75 0.65625	0.543699
		- 4.	•		

Solution = 0.65625

0-5, f(n)= In 16.95)=?

©	(Sr-2===1=2)9

~ '	tens:	D-1(m)	1 22-1(m)	D3-1(m)
5	2.236		1	
Č	2. 449	0.197	-0.016	0.001
7	2.646		-0.015	
8	2.828	0.182		7
21 - 6.25		·	1 1	,

$$=2.236+(5.25-5)(6.212)+(5.25-5)(5.25-6)(-0.016)$$

$$+(5.25-5)(0.001)(5.25-6)(5.25-6)(5.25-6)$$

= 2.236+ 0.15975 +0.0015+0.000039

= 2.397 (upto 3 deinds)

If (S.75) = 55.75 = 2.397

Your Gupta Souscelou39

$$\int_{-\infty}^{\infty} \left[\frac{2^{2} - 3^{2}}{2^{2} - 3^{2}} \right]_{0}^{2} = \left[\frac{2^{2} - 2^{2}}{3^{2}} \right]_{0}^{2}$$

$$= \frac{1}{12} \left(0 + 2 \left(\frac{2-3}{36} \right) + \left(\frac{4-12}{6} - \frac{12}{36} \right) + \left(\frac{4-23}{36} \right) + \left(\frac{2-3}{36} \right)$$

$$= -1/27 = -0.0139$$

$$= -0.0139$$

$$= -0.0139$$

(S202200101) 4

re the sile

The second

expedition