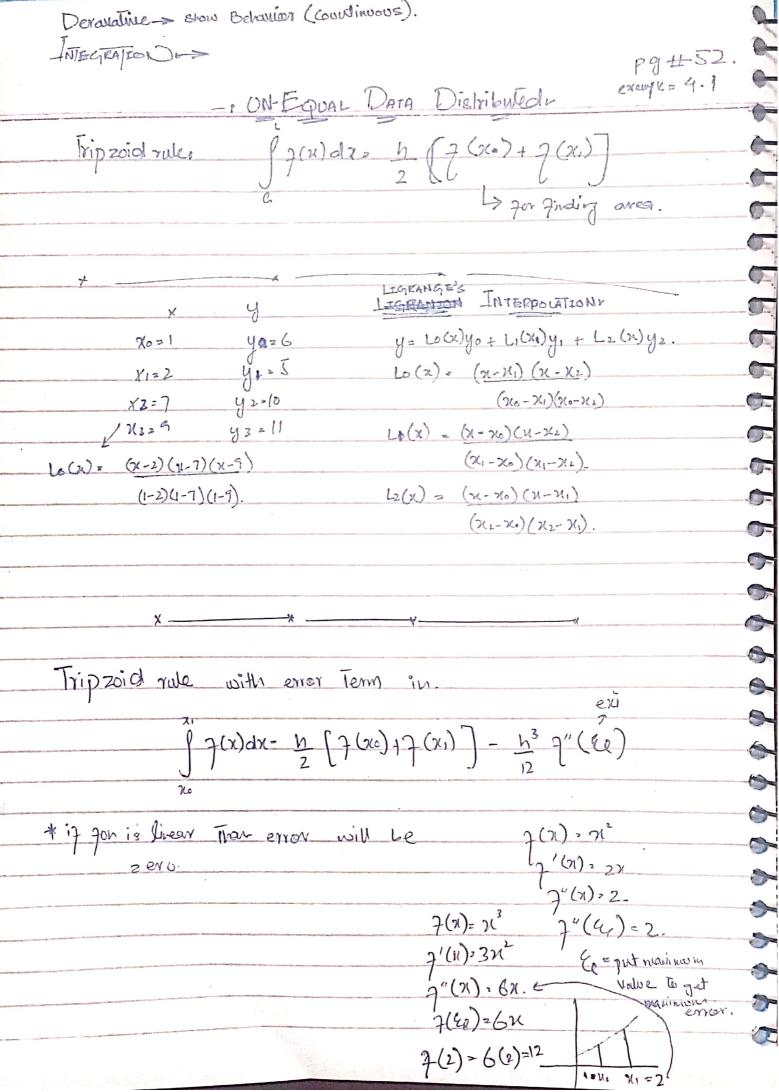


M= 210-20 At Tabulated point yp= 1 (Dyo-1/2 Dyo+ 2/31 D3yo-6/41 D4y.). (Brekward). yp ≈ yo + P Vy= + P(P+1) Vý+ P (P+1)(P+2) Vý+ P(P+1)(P+2)(P+3) V yo +
2!
3!
41 y + PTy + P+PTy + P3+3p+2p Ty + P46p3+11p+6p Ty 0+ 1 (\(\frac{7}{4} + 2\frac{7}{4} + \frac{7}{4} \frac{7}{4} + 3\frac{2}{4} + 6\frac{7}{4} + 2\frac{7}{4} + 6\frac{7}{4} + 2\frac{7}{4} + 6\frac{7}{4} + 2\frac{7}{4} + 6\frac{7}{4} + 2\frac{7}{4} + 6\frac{7}{4} + 6\fr Jp - 1 (7 y + 1 2 y 0 + 2 3) 7 y 0 - 6 V y 0 - - -JP - 1 (Vy. + 6p+6 0 yo + 12p+36p+22 0 yo ---). yp = 1 (Vy. + My - + 22 V y. + - - -)

By Taley derauativing -

ارته



Scanned with CamScanner

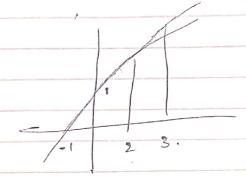
By direct integration

=
$$\int n dn - \int 1 dn \Rightarrow \frac{\chi^2}{2} \Big|_{0}^{1} + \chi \Big|_{0}^{1} = \frac{1}{2} \Big|_{0}^{1/2} - \frac{9}{2} \Big|_{0}^{1} + \frac{1}{2} \Big|_{0}^{1}$$

By nomeric integration

$$f(26) = 7(+1)$$
 $h = 7(1-)(0 = 1)$
 $f(26) = 0 + 1 = 1$
 $h = 1 - 0 = 1$
 $f(26) = (+1 = 1)$

$$\int_{0}^{2\pi} f(x) dx = \frac{1}{2} \left[1 + 2 \right].$$



$$I = \int 3\chi^2 dx$$
.

$$\frac{1}{2}(x_0) = 3x^2$$
 $\frac{1}{2}(x_0) = \frac{1}{2}(0) = 0$
 $\frac{1}{2}(x_0) = \frac{1}{2}(0) = 0$
 $\frac{1}{2}(x_0) = \frac{1}{2}[0 + 3]$
 $\frac{1}{2}(x_0) = \frac{1}{2}[0 + 3]$

$$\int_{a}^{b} f(x) dx = \frac{1}{9} [0+3].$$
= 3/9
= 1.5

This Method it anot 1 value is not possible. lerror = |exact - Appropriate] = 1-1.5 = [0.5] 1/3 rulei-Tripzoid emor fourth dernestive. β 7(n)dx, h [7(n0)+47(n1)+7(n2)] - h 2 (4)

30 7/2 260 3/2 Rules J g(x)dx = 3 h [g(u0) + 3 g(y1) + 3 g(x2), g(u3)] - 3 h f (4)

90

Pg # 192-194.

By direct

$$=\frac{\chi^{4}-2\chi^{3}+7\chi^{2}-5\chi}{3}+\frac{7\chi^{2}-5\chi}{2}-\frac{5\chi}{4}-\frac{5\chi}{3}+\frac{63}{2}-15)-\left(1\chi-\frac{1}{2}\chi^{2}+\frac{1}{2}-\frac{5}{2}\right)$$

By Trap.

error Terms

By supson 3/8 r

$$= \frac{3}{2} = \frac{2}{3} \left[1 + (3) \left(\frac{155}{21} \right) + 3 \left(\frac{355}{21} \right) + 25 \right].$$

$$= \frac{2}{3}$$
.

$$\frac{2}{3(1-1)^{2}} = \frac{1}{3} = \frac{5}{3}.$$

$$= 20.666 = 20 \times \frac{2}{3}$$