INTEGRAL ALMA KURALYAR)

Parentezhin integrali:

$$\int (ax+b)^n dx = \frac{(ax+b)^n + C}{(n+1) \cdot a} + C$$

Spinda Shoda Xli saffan olmyacak Salit san olmyacak

Parantez igi L. derece ise kural yygularabitir.

Ust bir arthrolog obten 5 se ve Parantez i Girin tirevine botinor.

Ustel Fonksipenborn integrali:

Spinda Stonder Mr sapa stryandl. Satt sen als.

 $\int e^{ax+b} dx = \frac{ax+b}{a} + c$

e'hin istis 1. derece üssinin tirenine bolonin.
ise kurd uppulanslikir.

istel Fontagen (2) interely:

MOT: Se'(x) . dx = |n|RdMOT: Se'(x) . dx = |n|RdMOT: Se'(x) . dx = e'' + cMOT: Se'(x) . dx = |n|Rx+b| + cMOT: Stanx dx = -|n|Cosx|+cScotx dx = |n|Sinx| + cMOT: Sxe'(x) = xe' - e'' + c

INTEGRAL ALMA YONTEMLERI 1 integral In IVI dus. 1) Dépither dépitime metals Als: Jerhan intgroh (hx)'= 1 2) Kismi integral 3 Poteron Bolmes; (= - 1/2 3) Les Nere Pargalama Sises + bearbre Arman lntx=lnx=1hx 4) Triponometrie Dangom Geoletinonler lne -> 1 Depitken Depitkrene Yonton; en1-0 Youtenin vygularastilmesitain (fa). fa) dx f(x) vef(x)-)f(x).dx ile sassim derumenda olmalida Yortom uggelenni: geri bonder, Rumi integral: LAPTU disteller

Lagoritma Lagoritma Lagoritma

Archibs polinam

Vendania

Vendan Vördenin UpslavIII 1. LAPTE roge s derilecep; ni deliter. | W=x) Lingen I stel 2. U'y selislediter sonnon grige Edon her rey dv dis dv=e'dx (Inxdx = xlnx -x+c EISM, LAX

INTEGRALDE ALAN GES, TLERI: 1. Egst: Xelser; ile grafile aresinda Later Alen les x elmin oltida; & Alon X elsenin revinde ise Alon = - Sfa) dx Alon = (fa) oh 2. Gest: Yelsen ile grafite arasında blan ala, Ilma Alan yelseninin sepinda Alen y ekserinn skrolg

integralin source = tAlan = $\int_{a}^{b} f(y) dy$ Alan = $\int_{a}^{b} f(y) dy$ Alan = $\int_{a}^{b} f(y) dy$

3.485! ils grafile avander balen alen, selven:

Alan = SS(X)-S(X) dx

Substidation - Association

y je gore

x=f(y) x=g(y)

bi-...

Alon = \$f(y) - g(y) dy

Sa pdahi - Soldaki