alferndiv

Megentige integraler (6.8) _ legeusel Na llegend X Cular (20 (o, \sim) If [x, y] dx dy = him If [x, y] dx dy (n.0) frubott d grensen firmes. Definique: Anta f er en ponter, harbunder, funkgan og ANK, a Jalan-willen for elle v. (0,-w) Da almer i $\iint_A \{(x,y) dy dy = \lim_{n\to\infty} \iint_A \{(x,y) dx dy$ frubott al greneurden firmes. I på fall sein u at integral hanvingeren (his ille sån i d dd diurgens)

1

If I (x, 5) de ly = lim If (x, 5) de ly

the his bringwen f=0 ither a applyt?

J=f+-f- der f+ if=0

J+ hiny=

Jkymin fky=0

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Jkymin fky=0

Jkymin fky=0

amråde A dessom bade f+

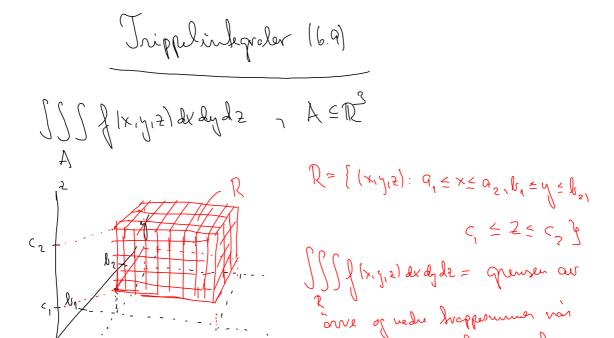
Jf-en

entequelier over A, des el legge interpolere

Sf+ dx dy of Sf- dx dy hamerguen. I po fill

definer

Sfkyd dx dy= Sf+ (x,y)dx dy- Sf- (x,y)dx dy



opplinger blir fusere og frisere

Threat mategranjam:

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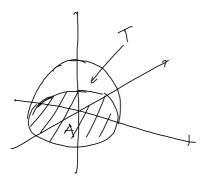
I a omådel an A og mellam x

fembrjandfrafene 2-h(x,y), Z=g(x,y).

[[[f(x,y,z)] de dy dz = [[f(x,y)] dz] de dey

T A g(x,y)

Ehrenpel: Regn ut SSS 2 de dydz der T er områdel over xy-pland of mir hule med valius I am argo



Nadro flale: 2= 0

Ove flole: halimlin: $\chi^2 + y^2 + z^2 = 1$ $\frac{2^2 - 1 - \chi^2 - y^2}{\sqrt{1 - \chi^2 - y^2}}$ $+ \iiint_2 dx dy dz = \iiint_2 dz dx dy$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dy$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dy$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dy$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dy$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dy$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dy$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dy$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dy$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dy$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dy$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dy$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dy$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dy$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dx$ $- \iiint_2 dx dy dz = \iiint_2 dz dx dx$ $- \iiint_2 dx dx dx dx$ $- \iiint_2 dx dx dx$ $- \iiint_2 dx$

logter til
polarhoordender $\frac{1}{2}$ [$(1-v^2)r$ de =

