AST C= {x*+y*+Z=1 本Cと距离学标床总裁选和教运的点 节PN 5975

新型的牧 U=x+y+z+が存件 {x+y・さこの下明教風

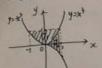
食をスタをふめ=メナダナマナン(メナダーモ)+ル(メナダナモーリ)

る知い有本が日本和小匠

距勤教大为19+5两,教本为19-5两

5.计将下列二重积分值

(1)设证域 D由所约: 水, 鱼或x=15y=1 用有, 计第二重积分 [[2+2y(05(x+y*)]dxdy



颜· D如左图分布成 Di 和 Di

D.关于生物对形, xywsxxxy)物社研萄新校, jixywxxxxyxdxdy=0 D.关于水规对形, xywxxxxyx为为对部等品积, jixywxxxxyxdxdy>0 放 ji[2+xywxxxxyy]dxdy

=
$$\iint_{\Omega} x dx dy + \iint_{\Omega} xy \cos(x^2 + y^2) dx dy + \iint_{\Omega} xy \cos(x^2 + y^2) dx dy$$

= $2D = 2x \times x = 4$

1) 计算1= [(xzy)) drady, D: xzyz=xz-y

生机造铁

解: D: (x-1)+4+1) = 2

度U=x-1, V=y+1 見 dxdy=dud

I = [[[(u+1)+(V-1)]] dudv

= \[(u3+34+++++++++)3-3++++-1) duch

田寺本教神を JI (ラリナーナント) dudy オリオセ O

大学 · O 张海东南京于中水之主部十五

If fragility = If fogsitely

@ Ash with you the .

U (xx1 -1-x-2)

[[freeding . [] forwards

D動友園、D、切り中×さの的部分。 (ペーリー 「メーケリ、サミズ 用于口菜子生物 对称,14岁1岁少如称、1550更加加 [[1x-y|dxdy = 2][1x-y|dxdy = 2[]dx]x'(x-y)dy + [dx]x'(y-x')dy] = 2(| \frac{x^2}{2} dx + | \frac{1}{2} (\frac{1}{2} - \frac{x^2}{2} + \frac{x^2}{2}) olx) = 2 [1/x4-x++1dx =さーき+1=光 I wit dray = [idy] y dx = [wy dy = 15 8.交换界次积分的1份月 ") ["dx [x" fixing) dy ")] oly [- They fixing) dx The work fragedy = [dx [x fragedy + [due x fragedy of = | dy | 4 - foxydx + | dy | 1 foxydx + | dy | 1 foxydx + | dy | 2 foxydx = | dy | 2 foxydx + | dy | 5 foxydx 10)] dy] - Tory dx = - || fix-y dxdy = - || dx || tx fix. y dy - 1 | x 9.74 I= | [emarkty) dxdy . # + D:05x = 1,05y = 1 御中国 1= | e y druly + | extandy = 2 | e y druly = > | dry | e y dx = > | e y y dy = e y | = e-1 Stray day = Strang, romandrag 10.计算和特殊分质的extdx (节P\$8件11. 两块竹加川) 解:夜1=[+10e*dx]=[+10e-fily $I^{2} = \int_{0}^{+\infty} e^{-x^{2}} dx \cdot \int_{0}^{+\infty} e^{-y^{2}} dy = \int_{0}^{+\infty} e^{-(x^{2}+y^{2})} dx dy = \int_{0}^{\frac{\pi}{2}} d\theta \int_{0}^{+\infty} e^{-y^{2}} dr = \frac{\pi}{2} \left| -\frac{e^{y^{2}}}{L} \right|_{0}^{+\infty} = \frac{\pi}{4} \Rightarrow I = \frac{J\pi}{L}$

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計為=書部別 [[forglowy,其中D=forg)|m+ig152]
                                                                1514 , 15124+1415V
                          21 R= {(x-y) | 1x1+1y1<1 } R= {(x-y) | 1 \le 1x1+ny1 \in 1)
                                                                                                                                                                                                                                                                                                                                                                                                                     X+4 51
                             I fampodraly = [[2"dredy + ]] Through dredy
                                                                                                                                                                                                                                                                                                                                                                                                                  TINDETSING = TECHNOLING = 1
                                                                                          =2][(x2+y2)dxdy + 4][\frac{1}{|x|^2y^2}dxdy = 4[in-x]dx
xy5] | 15x4y5v = \frac{1}{2}-1=\frac{1}{2}
                                                                                         =2\int_{0}^{\frac{\pi}{2}}d\vartheta\int_{0}^{\frac{\pi}{2}}\frac{d\vartheta}{d\vartheta}\int_{0}^{\frac{\pi}{2}}\frac{d\vartheta}{d\vartheta}\int_{0}^{\frac{\pi}{2}}\frac{d\vartheta}{d\vartheta}\int_{0}^{\frac{\pi}{2}}\frac{d\vartheta}{d\vartheta}\frac{d\vartheta}{d\vartheta}\frac{d\vartheta}{d\vartheta}\frac{d\vartheta}{d\vartheta}
                                                                                                                                                                                                                                                                                                                                                                                                                                           のかいけまたられのです)
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                                                                                           = 1/ = ( wot six ) do + + ) = wot six do
                                                                                                                                                                                                                                                                                                                                                                                                                                              woo = tand
                                                                                            (at 8) = - csc 8
                                                                                               =[+ [=[+ cotw+=]] dwtw+=) +2 TV |n(cx 10+=)-10+=]=
                                                                                                                                                                                                                                                                                                                                                                                                                                     Scrools = Serescoux-cotas de
                                                                                                  =[ま(はんみき)+ないかかまり)ナンがん(ことのもき)・しかるまり]
                                                                                                                                                                                                                                                                                                                                                                                                                                                           = SER*X-LORKESEX dec
                                                                                                     = 13+ 47 m(dv+1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                              = la / cocx compte 17支接前:
1)、夜新闻巨核6是用湖路(X=t-sint lost sixt)及外回围着,计算二季积分月yrdady
  Apr. Sydedy = 50 dx 500 yrdy = 500 $ yrdy
                                                                                   = [22](1-ust) dit-sint)
                                                                                      =\int_{0}^{22} \frac{1}{2} (1-63t)^{6} dt = \frac{16}{2} \int_{0}^{22} \sin^{2} \frac{1}{2} dt = \frac{31}{2} \int_{0}^{2} \sin^{2} u du = \frac{31}{2} \times \frac{7}{2} \times \frac{7}{6} \times \frac{7}{9} \times \frac{7}{1} \times \frac{7}{
    13. 己和子母を成D=f(r,0) 12をrを2(1+1のの)、一きくかをごり、计算三色形分別xdrody
      The: || xdrdy = |= do |2 (Humb) rose rdr = 2 | = do |2 (Humb) r wood dr
                                                                                 = = = [= ([2(Hand)] - 8) (and do = 1/2 [ [(Hand) - 1] and do
                                                                                                                                                                                                                                                                                                                                                                                                                                                = 02+ +0"6 + 306" + 61
                                                                                    = 16 (3 450) + 3 450 + 6540) do
                                                                                      = 16 (*x+3 k3+ k4)
                                                                                         =学(う:主・デナタラ・1+幸・七・号)
                                                                                                                                                                                                                                                                                                                                                                                                                                               In Sandal = R
                                                                                             =16·(辛+考+斋)
                                                                                                   = 打十3
                                                    =-\int_{M} \sin^{4}x \, d\cos x = -\cos x \sin^{4}x + (n-1)\int_{M} \sin^{4}x \, (\frac{\cos^{2}x}{\cos^{2}x} \, dx = -\cos x \sin^{4}x + (n-1)\int_{M} \sin^{4}x \, dx
                              In= Sin"nex
                                                                                                                                                                                                                                                                                                                                                                                                                                               K = 1 ton # 40 = 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                 F. = 1 = 20'8 da = 500 | = 100 = 1
                                 The - waxandx + not Inv
                                                 = [cos = se of source = source on = re + (n-1) for note = source = source of note + (n-1) Ken - (n-1) 
                                 Kn= Surandre to
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