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1
$\frac{1}{10000000000000000000000000000000000$
5k(010)=0=5y(010)、行用 (1)、(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
5(1010)=0=5y(0,0), 行風 (win fixy) + 5(0,0)=0. 同地、 子の 5(x1y) 社の(0,0) むないない、行行力2, fixy) 社の(の) むない。
31-1- He 2 1 1 1 1 5 1 1 1 1 1
於加3: 第3=5(x18) 在Morxeyold) 可编, 則
12=5170tex, yotext)-51x0,y0)=5x(NO)EX+5/y(NO)Ey+0(8),=>
$\Delta Z = \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} = \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} = \frac{1}{3} + \frac{1}{3} + \frac{1}{3} = \frac{1}{3} + \frac{1}{3} $
Rz, 先 & m 43-(5/x(No)AX+5/y(No)4y) =0 見



		yxig)在Monoyol处沿在且线。	
LAPA)=S1x0+xx, y0+xy)-50	100 yo)=[5(70 tex, yotay)-5(10, yotay)]+	
£(10,140±	y)-Sixo,you] Lagrange \$450th	100 yo = [5(70 tox, yotay) - 5(20, yotay)] + (4/10 to to 10 xx, yotay) \(\text{X} \) \(
2		7,026(0,1). 利用5x(xit),5y(xit),	
Mo1x0,40)	心更强强强。	m 5x (20+0, yotsy) = 5x (20,yo) eningty (20, yotoy) = 5y (20,yo).	
		enisty (xo, botosy)=5/y (xo, yo).	
47	Sylvoryotoxy)	=5x(x0,40)+01,01->0,0x>0,04> =54x(x0,40)+02,02->0,6x>0,04	0 i ≥0
19 13	=(5/x(40)+a1)=x+5/y	(NO) taz) = 5x (Molex+5/y (No)xy+a	P
A LV	$\frac{d_{1}dx + dday}{S} = \lim_{S \to \infty}$	2(d1000+d25mb0)=0+0=0	
i. di	1x+02xy=019).	极.	
		y+0(9)=(10x+12xy)+0(9), 18p	•••
2=40	y) EMOD JERG.		•••

10/10/3. 3=51X19)= 5 (17+12) Sub (17+14) Sub (17+14) , 17+14 >0, 在0(0,0)处可编、台里与(a)的,与y(x)的在0(0,0)处于不量域。 (X) Sey Star Star (higher order portial deviative) 波3=5(xig)= x+xy+y+xy+2x+4y (x>0, yER). 則 5-32=2×+ 9+ 9×8+ +3 = x+2y+xbenx+4. $(\frac{33}{3900} - (\frac{33}{600})y = (2x + y + yxy + 3)y = 0 + 1 + 1 \cdot xy + yxy + 0$ $\frac{36}{300} = \frac{33}{30} / x = (x+2y+x6enx+4) / x=1+0+yx4enx+x6+0$ $\frac{\partial^2 3}{\partial x \partial y \partial x} = (\frac{\partial^2 3}{\partial y \partial x})_{x} = (1 + x^{y+1} + y x^{y+1} \ln x)_{x} = y + y x^{y+2} + y (y + y) x^{y+2} + y (y + y) x^{y+2}$ 233 - (323) /x = (1+yx4+x4+)x=y(y+)x42 (1+yx4+y+)x42 建筑且 3/30X = 3/30X = 3/30X = 3/30X = 3/30X + COUNTY ED. THI. 花3=S(X)) 在CKOD中做的价的影影重要,到

杨州人的身最为春场的多种的人的大人。 がらるSUNECCO). 且MnoyのもD中的一流、被 Milloth, yoth, Mz(xoth, yo), Mz(xo, yoth) ED, h.k.+0. 型分说: 5以(Mo)=5以(Mo), 再由Mo在D中2064298. PPANES: Swy (xiy) = Syx(xy) & 35 = 3xy, Vary) ED. $\frac{1}{2}$ $\frac{1}$ 围海 m(xo+h)-m(xo)=5(xo+h, yo+k)-5(xo+h,yo)-5(xo,yo+k)+5(xo,yo) 1 nyotk)-nyo)= swothybold)-swo, yotk)-swoth, yo) +swo, yb) 那程 > h·k+0, 两 m(x6+h)-m(x6) = n(y6+k)-n(y6). 利用 Lagrange 细胞分析症化的 my (xo+Oih) h= ny (yo+Ozk) k 且01,020(0,1).即用: (Sk (notoin, yoth) - Sk (notoin, yo)) h= (Sy (noth, yoth) - Sy (no. yoth) k 对 5x, 5y 这面Y 3 数 再次短用 Lagrange 编数编作: 5xy (xo+0,h, yo+0,2k) kh=5yx (xo+0,4h, yo+0,2k) hk, 03,046(0,1).

"SECCO)、以死以利中全和30人人的,别明 Sig(xo, yo) = Syx(xo, yo). & Mrougo) AD & MACE POPE $f(x,y) = f(x(x,y)) \Leftrightarrow \frac{\partial^2 \partial}{\partial y \partial x} = \frac{\partial^2 \partial}{\partial x \partial y}$ 国理面视, 发3-5My) EC2CD). 别公园 制趣. Y=Vx+y+32>0 摄起laplace 101/2.7/101/ U= = 10-40-4 (0x0, tx0, 0x0 ax0)

水(外发)量 > -1(水水子)==+6×16===1(水水子===+1 =-(x445)==(4462)+3x2(x462)== R-40+6-20+0-40+6-1 40 Tet to - 40+ (204+ - 1) e- 402 (2024 -1) = 21 , H20, KER! at 国 U=9(V)+4(W)

$$\Rightarrow \frac{\partial l}{\partial x} = g'(v) \frac{\partial l}{\partial x} + \varphi'(w) \frac{\partial l}{\partial x} = g'(v) \cdot 1 + \varphi'(w) \cdot 1 \Rightarrow$$

$$\frac{\partial l}{\partial x^{2}} = g'(v) \frac{\partial l}{\partial x} + \varphi'(w) \frac{\partial l}{\partial x} = g'(v) \cdot 1 + \varphi'(w) \cdot 1 + \frac{\partial l}{\partial x} = g'(w) \frac{\partial l}{\partial x} + \varphi'(w) \frac{\partial l}{\partial x} = g'(w) \cdot (-\alpha) + \varphi'(w) \cdot \alpha \Rightarrow$$

$$\frac{\partial l}{\partial x} = g'(v) \frac{\partial l}{\partial x} + \varphi'(w) \frac{\partial l}{\partial x} (\alpha) = g'(v) \cdot (-\alpha) + \varphi'(w) \alpha$$

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19)1/4: 0X9,2 2/10; 8; 11; 15; 26; 27; 28.

P对级的国星第3.7=(敌毒爱), (L=50xy3)6CCD),

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