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2023010747 21一级 计32.
                  始积分习题门1.(6)
                                                Vi= (1,24,322)
                                                 V_{N}^{2} = (1, 2V, 3V^{2})
                                            当 リニノ、ソニンは かい=(1,2,3)、か=(1,4,12)
                                                          法何量可以俗×份
                                                                  おは六川(112,-9,2) 法統为 x-3 = 4-5 = 2-9
                                                          切平面台程为(X-3, y-5, Z-9). 前=0,即12X-9y+2Z-9=0
                                                                         3.在Palxo. yo, zo)处的切面为
                                                                   3F (Po) (x-Xo) + dF (Po) (y-yo) + dF (Po) (z-20)=0
                                                                限户为 2xo(x-xo)+4yo(y-yo)+6Zo(z-Zo)=0
                                                                       与×+4y+6Z=0年行
                                                                         to 2x0 = 440 = 620 = to
                                                                        2 x2+2y2+326=21.62. to +2t2+3t6=21=> to=t2
                                                                      因此切平面为×+4y+6Z-21=0或×+4y+6Z+21=0
                                                                        S. F(x) = x2+y2+2-b
                                                                           -G(x) = x+y+Z
                                                            切何愛gradF(1,-2,1)×gradG(1,-2,1)=(2,-4,2)×(1,1,1)=(-6,0,6)
                                                                             故切线为 \begin{cases} x = -t+1 \\ y = -2 \end{cases} 年 \Rightarrow -6(x-1) + 6(z-1) = 0,即 x-2=0
                                                                    6. 切向量 Vito)= (-asinto, acosto, b)
                                                                           Z轴向量为10,0,1). 故切线与正方向表角为arccos 10+16
                                              习题1.8.2.(1) Z= (1+(x-1)) 19-0+1
                                                                                             = e^{(1+(y-1))\sum_{x=1}^{n} (1+(x-1))}
= e^{(x-1)-\frac{(x-1)^{2}}{2}+(x-1)(y-1)+\frac{(x-1)^{3}}{3}-\frac{(x-1)^{2}(y-1)}{2}+\alpha p^{3}}
                                                                                    将e进行展开。和三時春勤展开为Z=1+(x-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(y-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x-1)+(x-1)(x
                                                                                     $2(1.1)1.02 × 1+(0.1+0.002+0.00025+0.0001)
                                                                                                              × 1.102
                                                                           \frac{\partial z}{\partial x^2} = \frac{-\cos x}{\cos y}
                                                                                \frac{\partial^2}{\partial x} = \frac{-\sin x}{\cos y}
\frac{\partial^2 x}{\partial x \partial y} = \frac{-\sin x \sin y}{\cos^2 y}
                                                                               Dy = cosx siny dz = cosx cosy + 2 cosysiny cosx
                                                                                故在10,50处二阶Taylor多版式为Z=1-茶+艾
                                                                           (3) z = e^{-x} I_{n(1+y)}
= (1-x+\frac{x^2}{2}+0(x^2))(y-\frac{y^2}{2}+0(-y^2))
                                                                                 故z=e*In(1+y)在10,以知的之所Taylor多项式为z=y-xy-型
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