

Opserdient: The greedient of a function Z=f(n,y) is written as goudf and defined as gradf = Tf = i of + j of pt sissilarly of u=f(xyz) then goudre = du = o jou tjout kou $ex: g(x,y) = \frac{3}{2} - \frac{y^2}{2}$ Sind goodient. $ex: g(x,y) = \frac{3}{2} - \frac{y^2}{2}$ Sind goodient. gradg = 09 = 139 + 1'39 = 「今~の方(0一些) 79 = 1x-jy · (09) (12,-1) = i 12 -j(4) = iva ti ex: φ (25,5,2) = In (x+y+2) sind goudp gradb=Up = 1 30 + J 20 + K20 pis The p(xyz) = In(x7y+2) 1: e d(x, y, 2) = log(x+y+2) 二 T中=1 1 (のたから) +j 1 (のナミタ たり) +K-1-12 (010+22)