Nov 9, 2008

Math 2401 L Calculus III Fall 2008, Georgia Tech

Quiz 8

Time: 10 minutes

1. An object moves along the parabola $y = x^2$ from (0,0) to (2,4). One of the forces acting on the object is $\mathbf{F}(x,y) := (x+2y)\mathbf{i} + (2x+y)\mathbf{j}$. Calculate the work done by \mathbf{F} .