

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} .