

Math 2110Q Worksheet 10
October 9, 2019

Let $T \subset \mathbb{R}^2$ be the triangle with vertices $(0, 0)$, $(1, 0)$ and $(1, 1)$ (including the boundary of the triangle). Find the global maximum and minimum values of $f(x, y)$ on the domain T . (10 points).

$$f(x, y) = \frac{y}{1 + x^2 + y^2}$$