MATH 241: ANALYSIS IN SEVERAL REAL VARIABLES I QUICK RESPONSE #5

Name:

Problem 1. Prove using the Weierstrass M-test that the function

$$f(x) = \sum_{n=1}^{\infty} \frac{1}{1 + n^2 x}$$

is continuous for $x \ge 1$.

Date: Monday, 15 November 2010.