UM 204: QUIZ 7
March 22, 2024

Duration. 15 minutes

Maximum score. 10 points

Problem. Let $A \subset \mathbb{R}^n$ be a bounded set. Let $f : A \to \mathbb{R}$ be a uniformly continuous function. Show that $f(A)$ is bounded in $\mathbb{R}$. You may directly cite any result proved in class or stated as a problem in Assignment 07 (posted a week ago).