

Homework 4 of Introduction to Analysis(II)

AM15 黃琦翔 111652028

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1. Since B is equicontinuous, for any $f_k \in B$ and $\varepsilon > 0$, there exists $\delta > 0$ s.t. $|x - x_0| < \delta$ implies that

$$|f(x) - f(x_0)| < \frac{\varepsilon}{2}.$$