



Why

TODO

Definition

TODO

Notation

Let R denote the set of real numbers. Let $f : R \rightarrow R$. Then f is uniformly continuous at $x \in R$ if

$$(\forall \varepsilon > 0)(\exists \delta > 0)(\forall x \in R)(|x - y| < \delta \longrightarrow |f(x) - f(y)| < \varepsilon)$$

for all $y \in R$.

