Notes for "Calculus"

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AI503: Calculus

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Contents

1 Introduktion

Notes and exercises for lectures and TA-sessions. Note that mistakes in note and/or exercises may occur.

2 Notes

2.1 Definitions

$$\lim_{x \to c} f(x) = L$$

L is the limit of f(x) as x approaches c, if for every $\varepsilon > 0$ there exists a $\delta > 0$ such that if $0 < |x - c| < \delta$ then $|f(x) - L| < \varepsilon$.
if f is continuous at c then $\lim_{x \to c} f(x) = f(c)$