

좌극한, 우극한 (Definiton of One-Sided Limits)

Definiton of One-Sided Limits

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- \lim_x

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- $\lim_{x \rightarrow}$

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- $\lim_{x \rightarrow a}$

▶ Start

- $\lim_{x \rightarrow a} f(x)$

▶ Start

- $\lim_{x \rightarrow a} f(x) = L$

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- $\lim_{x \rightarrow a} f(x) = L$
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- $\lim_{x \rightarrow a} f(x) = L$
 $\forall \epsilon$

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- $\lim_{x \rightarrow a} f(x) = L$
 $\forall \epsilon > 0$

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- $\lim_{x \rightarrow a} f(x) = L$
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 $\forall \epsilon > 0, \exists \delta > 0$ s.t. $a - \delta < x < a \Rightarrow |f(x) - L| < \epsilon$
- $\lim_{x \rightarrow a^+} f(x) = L$
 $\forall \epsilon > 0, \exists \delta > 0$ s.t. $a < x < a + \delta \Rightarrow |f(x) - L| < \epsilon$
- $\lim_{x \rightarrow a} f(x) = L \Leftrightarrow \lim_{x \rightarrow a^-} f(x) = L$ and $\lim_{x \rightarrow a^+} f(x) = L$

▶ Start

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▶ Home

- $\lim_{x \rightarrow a} f(x) = L$
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