

극값정리 (The Extreme Value Theorem)

The Extreme Value Theorem

▶ Start

▶ Start

Theorem

▶ Start

Theorem

[

▶ Start

Theorem

[*f is continuous*

▶ Start

Theorem

[*f is continuous*
on $[a, b]$.

▶ Start

Theorem

$$\left[\begin{array}{l} f \text{ is continuous} \\ \text{on } [a, b]. \end{array} \right]$$

▶ Start

Theorem

$$\left[\begin{array}{l} f \text{ is continuous} \\ \text{on } [a, b]. \end{array} \right] \Rightarrow$$

▶ Start

Theorem

$$\left[\begin{array}{l} f \text{ is continuous} \\ \text{on } [a, b]. \end{array} \right] \Rightarrow \left[f \text{ attains} \right]$$

▶ Start

Theorem

$$\left[\begin{array}{l} f \text{ is continuous} \\ \text{on } [a, b]. \end{array} \right] \Rightarrow \left[\begin{array}{l} f \text{ attains} \\ \text{an absolute maximum value} \end{array} \right]$$

▶ Start

Theorem

$$\left[\begin{array}{l} f \text{ is continuous} \\ \text{on } [a, b]. \end{array} \right] \Rightarrow \left[\begin{array}{l} f \text{ attains} \\ \text{an absolute maximum value} \\ \text{and} \end{array} \right]$$

▶ Start

Theorem

$$\left[\begin{array}{l} f \text{ is continuous} \\ \text{on } [a, b]. \end{array} \right] \Rightarrow \left[\begin{array}{l} f \text{ attains} \\ \text{an absolute maximum value} \\ \text{and} \\ \text{an absolute minimum value.} \end{array} \right]$$

▶ Start

Theorem

$$\left[\begin{array}{l} f \text{ is continuous} \\ \text{on } [a, b]. \end{array} \right] \Rightarrow \left[\begin{array}{l} f \text{ attains} \\ \text{an absolute maximum value} \\ \text{and} \\ \text{an absolute minimum value.} \end{array} \right]$$

▶ Start

Theorem

$$\left[\begin{array}{l} f \text{ is continuous} \\ \text{on } [a, b]. \end{array} \right] \Rightarrow \left[\begin{array}{l} f \text{ attains} \\ \text{an absolute maximum value} \\ \text{and} \\ \text{an absolute minimum value.} \end{array} \right]$$

▶ Home

END