

Exercises

E16.2 [1CB] Prerequisites: [1C8].

Let $I \subseteq \mathbb{R}$ be an open interval. Let $f : I \rightarrow \mathbb{R}$ be a differentiable function such that $f'(t) \neq 0$ for every $t \in I$: show then that $f'(t)$ has always the same sign.

Solution 1. [1CC]