Axioms

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1 Introduction

Definition 1.1 (associativity)**.** For all a, b, c in S, one has $(a \cdot b) \cdot c = a \cdot (b \cdot c)$.

Definition 1.2 (identity)**.** There exists an element e in S such that, for every a in S, one has $e \cdot a = a$ and $a \cdot e = a$. Such an element is unique and is called the *identity element*.

Definition 1.3 (unique inverse)**.** For each a in S, there exists an element b in S such that $a \cdot b = e$ and $b \cdot a = e$, where e is the identity element.

For each a, the element b is unique and is called the *inverse* of b and is denoted a^{-1}.

Test Definition 1.1

2 More Information

You can learn more about controlling the appearance of HTML output here: https://quarto.org/docs/output-formats/html-basics.html

Outlinks

- Følner sequence
- Group