Why

TODO

Result

Prop. 1. *The sigma algebra generated by an algebra of sets is the same as the monotone class generated by the algebra.*

Proof. TODO □

Monotone Class Theorem

Generated Monotone Class

Monotone Classes

Sequences

Lists

Direct Products

Set Numbers

Finite Sets

Equivalent Sets

Function Inverses

Natural Order

Family Unions and Intersections

Function Composites

Function Images

Families

Functions

Equivalence Relations

Peano Axioms

Relations

Natural Induction

Subset Systems

Set Products

Ordered Pairs

Set Powers

Natural Numbers

Generalized Set Dualities

Partitions

Unordered Triples

Successor Sets

Intersection of Empty Set

Set Dualities

Set Unions and Intersections

Set Intersections

Pair Unions

Set Complements

Set Unions

Set Differences

Pair Intersections

Unordered Pairs

Empty Set

Set Specification

Set Inclusion

Standardized Accounts

Accounts

Deductions

Quantified Statements

Logical Statements

Statements

Identities

Sets

Names

Letters

Objects