Lecture 1: Out of the Mire

> Every demonstrable science must start with indemonstrable principles. Otherwise the steps of demonstration would be endless
>
> —— Aristotle

The Mire

Euclid's Elements

Foundational Crisis

Hilbert's Program

Further content from the first lecture.

Definition 1 (Turing Machine) This is a Turing Machine

Thanks to [1] for writing an interesting book.

References

[1] Joel David Hamkins. *Lectures on the philosophy of mathematics*. The MIT Press: Cambridge, Massachusetts, 2020.