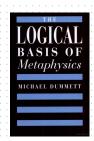
WHAT CAN WE MEAN?

arta RESTAU

Arché Day. Winter 2024

Michael Dumnett:





Constructive Type Theory
4 Proof Assistants:





- A proof from P to C is a function generating a ground for C from grounds for P.
- A proof of 7A is a function governing a ground for L (it has none!) from grounds for A.
- · There is (ingeneral) no proof from 77 A to A.

- · Mathematicians are learning to think this way.
- A practice of constructive reasoning can be seen to fit various norms for assestion.

[Belief; Knowledge; license to reasset, etc...] - possessing a ground is a license to assert:

· But is this the only assertance practice!

everytning else there is.

Socrates: Now, this point, I take it, is most necessary to assert of the good: that everything that has any notion of it hunts for it and desires to get hold of it and secure it for its very own, caring nothing for anything else except for what is connected with the acquisition of some good.

Protarchus: There is no way of denying this.

SOCRATES: So let us put the life of pleasure and the life of knowledge on trial, and reach some verdict by looking at them separately.

PROTARCHIE: In what was do von mean?

Philebus 20d.

[Imagine PROTARCHOIS Continuings: Yes, socrates, I concade 77A, but I fail to see, how you have given a ground for A. .]

• QUESTION: Is there just one privileged set of assorbin norms, defining one privileged set of propositions? Or...?