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Ruggero Ferro* (ruggero.ferro@univr.it), c/o Dipartimento di Informatica, Università di Verona, Strada Le Grazie 15, 37134 Verona, VR, Italy. *Mathematics vs Philosophy*.

I claim that the mismatch between the progress in mathematics and in philosophy is not surprising.

- 1) Philosophy's desire to answer the most fundamental questions of humankind is perhaps too ambitious.
- 2) OK Scire per causas. But how to detect the causes of the situation that we experiment?
- 3) Philosophy touches upon very sensitive topics such as personal beliefs, morality. Here the arguments to reach an agreement are not only deductive.

4) Epistemological views are introduced within a theoretical system, and not beforehand to justify it.

Can a philosophy accept that we cannot justify everything, due to the human limitations?

On the other hand mathematics is more humble, if not coward.

- a) No one claims to know exactly the meaning of the axioms.
- b) Various principles are used, but don't ask why they should be accepted.
- c) Proofs should be easily checked, but no one cares how they were devised.
- d) Mathematics is a good organization of multiplicity: by dropping information, a situation becomes manageable.
- e) What is mathematics? is a question dismissed as non-mathematical.

The role of language is central to many of these points.

To face some previous point, the internal non-physical experience is needed. (Received August 25, 2012)