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## The Infinite Regress

While strictly a problem in epistemology and not metaphysics, an infinite regress of justifications was one of the arguments that the Academic Skeptics leveled against the Stoics.

Since metaphysicians claim to get to the fundamental structure of reality, skeptics can always question metaphysical claims as to what underlies fundamental reality. If the metaphysicists say that it is X, skeptics can initiate an infinite regress by asking what underlies X, but nothing underlies information.

Plato in the *Theaetetus* (200D-201C) defined knowledge as justified true belief. Justification was providing some reasons (λόγος or συλλογισμῶ), a rational explanation for the belief. True opinion accompanied by reason is knowledge. (δόξαν ἀληθῆ μετὰ λόγου ἐπιστήμην εἶναι) (202C)

Although “justified true belief” is the traditional philosophical definition of knowledge, still in use in modern positions on epistemology, the ancients were already skeptical of this Platonic idea. Socratic dialogues normally did not reach any positive conclusions; they were “negative dialectics.”

Indeed, the *Theaetetus* ends with Socrates’ utter rejection of perception, true belief, or true belief combined with reasons or explanations as justification. Socrates says:

“And it is utterly silly, when we are looking for a definition of knowledge, to say that it is right opinion with knowledge, whether of difference or of anything else whatsoever. So neither perception, Theaetetus, nor true opinion, nor reason or explanation combined with true opinion could be knowledge (epistémē).”<sup>1</sup>

An infinite regress arises when we ask what are the justifications for the reasons themselves.

If the reasons count as knowledge, they must themselves be justified with reasons for the reasons, and so on, *ad infinitum*.

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1 Plato, *Theaetetus*, (210A-B)



The problem of the infinite regress was a critical argument of the Skeptics in ancient philosophy.

SEXTUS EMPIRICUS tells us there are two basic Pyrrhonian modes or tropes that lead the skeptic to suspension of judgment (ἐποχή):

“They [skeptics] hand down also two other modes leading to suspension of judgement. Since every object of apprehension seems to be apprehended either through itself or through another object, by showing that nothing is apprehended either through itself or through another thing, they introduce doubt, as they suppose, about everything. That nothing is apprehended through itself is plain, they say, from the controversy which exists amongst the physicists regarding, I imagine, all things, both sensibles and intelligibles; which controversy admits of no settlement because we can neither employ a sensible nor an intelligible criterion, since every criterion we may adopt is controverted and therefore discredited.

And the reason why they do not allow that anything is apprehended through something else is this: If that through which an object is apprehended must always itself be apprehended through some other thing, one is involved in a process of circular reasoning or in regress ad infinitum. And if, on the other hand, one should choose to assume that the thing through which another object is apprehended is itself apprehended through itself, this is refuted by the fact that, for the reasons already stated, nothing is apprehended through itself. But as to how what conflicts with itself can possibly be apprehended either through itself or through some other thing we remain in doubt, so long as the criterion of truth or of apprehension is not apparent, and signs, even apart from demonstration, are rejected.”<sup>2</sup>

The skeptic can always ask a philosopher for justifying reasons. When those reasons are given, he can demand their justification, and this in turn leads to an infinite regress of justifications.

The endless controversy and disagreement of all philosophers cautions us against accepting any of their arguments as knowledge.

<sup>2</sup> Sextus Empiricus. *Outlines of Pyrrhonism*, Loeb Library, R.G.Bury tr., 1.178-79



Second only to Kant’s “scandal” that philosophers cannot logically prove the existence of the external world, it is scandalous that professional philosophers to this day are in such profound disagreement about what it means to know something.

Epistemologists may not all be wrong, but with their conflicting theories of knowledge, how many of them are likely to be right?

This is especially dismaying for those epistemologists who still see a normative role for philosophy that could provide an *a priori* foundation for scientific or empirical *a posteriori* knowledge. Kant called this the synthetic *a priori*.

In recent years, professional epistemologists have been reduced to quibbling over “Gettier problems” - clever sophistical examples and counterexamples that defeat the reasoned justifications for true beliefs.

Following some unpublished work of Gregory O’Hair, DAVID ARMSTRONG identified possible ways to escape the Skeptic’s infinite regress, including:<sup>3</sup>

Skepticism - knowledge is impossible

The regress is infinite but virtuous

Regress is finite, but no end (Coherence view)

The regress ends in self-evident truths, the axioms of geometry, for example

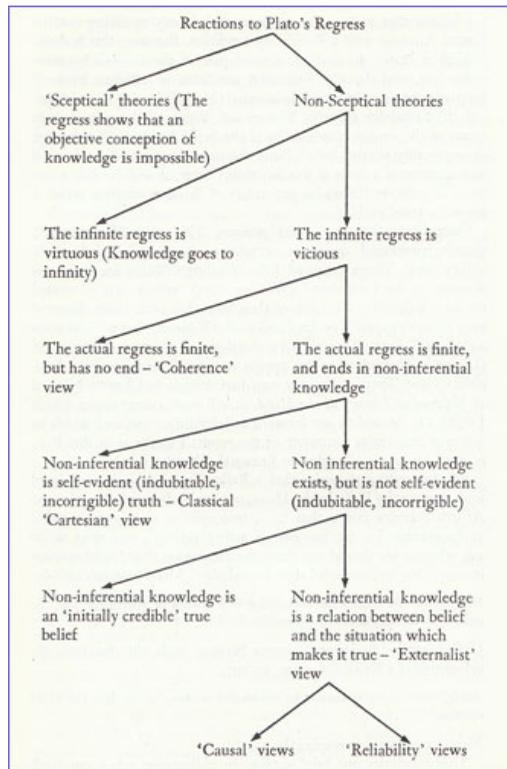
(Foundationalist view)

Non-inferential credibility, such as direct sense perceptions

Externalist theories (O’Hair is the source of the term “externalist”)

Causal view (Ramsey)

Reliability view (Ramsey)



3 Armstrong (1973) *Belief, Truth, and Knowledge*. p.152

