

Summary of the session of the workshop on intuition 8th of March 2012.

We went through Olga Pombo's article "Conceptions of intuition in Poincaré's philosophy of mathematics" in order to establish a list of the different kinds of intuition that are quoted or suggested by Poincaré in *la Science et l'Hypothèse*, *la Valeur de la Science* et *Sciences et Méthodes*.

Here comes the detail of the different concepts of intuition we could extract from the article:

- 1- Sensible intuition
- 2- Sensible intuition of diagrammatic nature
- 3- Kantian imaginative intuition
- 4- Conceptual intuition (*intellectual intuition?*)
- 5- Architectonical/demonstrative intuition
- 6- Inventive intuition as the highest level of type 5
- 7- Kantian constructive intuition (synthetic judgement)
- 8- Direct intuition (as apperception of the pure subject)
- 9- Leibnizian intuition as a meaning device
- 10- Intuition as a foundational device (the Bergson's living force)
- 11- Intuition as an anti-conventionalist device (instinct)
- 12- Peircean abductive intuition

This list is naturally non exhaustive and the purpose of the next session (Wednesday, 4th of April at 10.30am – sala da secção) will be to discuss a possible completeness of that list in adding some "missing" concepts mentioned by other authors.