

Kant's Project

PHIL 4/871

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1 Kant — Biographical Overview

- Lived & died in Königsberg, Prussia (1724-1804)
- Attained professorship at the University of Königsberg in 1770
- Wrote the “critical” philosophical works relatively late in his career (c. 1781-1790)¹
- Some relevant contemporaries
 - John Locke (1632-1704)
 - G. W. Leibniz (1646-1716)
 - Christian Wolff (1679-1750)
 - David Hume (1711-1776)
 - Jean-Jacques Rousseau (1712-1778)
 - Alexander Gottlieb Baumgarten (1714-1762)
 - Christian August Crusius (1715-1775)

2 The Project

1. Set metaphysics on the “secure path of science”
2. Explain how rational or “proper” science is, in general, possible
3. Explain how propositions making claims of universality and necessity about the empirical world could be known to be true
4. Kant's strategy is answer (1) and (2) by means of (3)

3 Cognition & Judgment

Cognition (Erkenntnis): A conscious representation of an object that is (i) determinate with respect to which object it is a representation of and (ii) puts one in a position to know the real (i.e. metaphysical) possibility of the object²

Judgment (Urteil): A combination of representations (specifically, concepts) in a single consciousness, whose unity is the bearer of truth or falsity³

¹ Kant's Major Critical Works:

- *Critique of Pure Reason* (1781/87)
- *Prolegomena to Any Future Metaphysics That Will Be Able to Come Forward as a Science* (1783)
- “Idea for a Universal History With a Cosmopolitan Aim” (1784)
- “What is Enlightenment?” (1784)
- *Groundwork of the Metaphysics of Morals* (1785)
- *Metaphysical Foundations of Natural Science* (1786)
- “Conjectural Beginning of Human History” (1786)
- “What Does it Mean to Orient Oneself in Thinking?” (1786)
- *Critique of Practical Reason* (1788)
- *Critique of (the Power of) Judgment* (1790)
- *Religion Within the Boundaries of Mere Reason* (1793)
- *Metaphysics of Morals* (1797)
- *Anthropology From a Pragmatic Point of View* (1798)

² The genus is representation in general (*repraesentatio*). Under it stands the representation with consciousness (*perceptio*). A perception that refers to the subject as a modification of its state is a sensation (*sensatio*), an objective perception is a cognition (*cognitio*) (A320/B376)

³ The unification of representations in a consciousness is judgment ... thinking is the same as judging or as relating representations to judgments in general. (*Prolegomena* §22, 4:304)

4 Two Distinctions

- A priori/posteriori
 - distinction applies, in the first case, to judgments, and then derivatively to cognition and to epistemic attitudes (e.g. knowledge)
 - two meanings
 1. independent vs. dependent on experience
 2. “from grounds” vs. “from effects”
- Analytic/synthetic
 - applies to propositions
 - concerns the source or manner in which a proposition is true
 - * analytic truth is “conceptual” truth, whereas synthetic true has some non-conceptual basis

5 The Prevailing Early Modern Conception of Knowledge

- Leibniz/Wolff conception of truth as ‘containment’
- Empiricist theory of truth (Locke & Hume)⁴
 - agreement between ideas
 - * universal/necessary/a priori
 - correspondence of ideas to facts
 - * contingent, local, a posteriori

4

A Priori	A Posteriori
analytic	synthetic
synthetic	analytic

6 Kant on the A Priori

- A priori knowledge is *independent* of experience for its justification but not for its acquisition⁵
 - we need experience in order for our cognitive faculties to develop
 - experience is necessary for concept acquisition
- All a priori knowledge is characterized by its universality and necessity

⁵ although all our cognition commences *with* experience, yet it does not on that account all arise *from* experience. For it could well be that even our experiential cognition is a composite of that which we receive through impressions and that which our own cognitive faculty (merely prompted by sensible impressions) provides out of itself, which addition we cannot distinguish from that fundamental material until long practice has made us attentive to it and skilled in separating it out. (B1-2)

7 Kant on the Analytic/Synthetic Distinction

7.1 Conceptions of Analyticity

Kant characterizes the analyticity of judgment in four different ways:

1. The predicate is “contained” within the subject (A6-7/B11)⁶

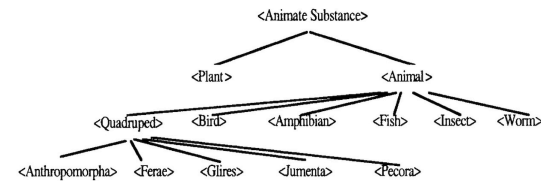
⁶ the predicate B belongs to the subject A as something that is (covertly) contained in this concept A (A6/B10)

2. The predicate is “identical” with the subject (A7/B11)
3. Analytic judgments are ones which are “explicative” rather than “ampliative” (A7/B11)
4. Analytic judgments are those knowable by means of application of the principle of non-contradiction (A151/B190)

7.2 Containment Analyticity

- Logical division by *differentia* in terms of species/genus distinction⁷
 1. The division of a genus is *complete* — the various species of a genus, taken together, *exhaust* the genus
 2. Membership in a species is *exclusive* — no species may be predicated of another
- Intensional conception of logical containment
 - *Content*: the group of intensional concepts (marks) that a concept “contains in” itself as components
 - *Extension*: the group of lower, or more specific, concepts a concept “contains under” itself
 - content & extension are related to one another *reciprocally*⁸
- For one concept to “contain” another is to have that concept as a member of its extension in a strict hierarchical ordering of genus/species relationships where concepts are distinguished according to their (non-overlapping) *differentia*

⁷ Logical Division:



⁸ Logical Reciprocity:

- * A is in the content of B iff B is in the extension of A
- * If B is in the content of A, & B excludes C, then A excludes C
- * If B is in the extension of A, & A excludes C, then B excludes C

7.3 Analyticity & Definition

- Are analytic truths true by definition?
- Can a synthetic judgment be converted to an analytic judgment by modification of a definition?⁹

7.4 The Problem of Synthetic A Priori Knowledge

- There are knowable (and known) universal/necessary/a priori truths concerning reality that are *not* explicable in terms of conceptual analysis¹⁰
 - propositions of mathematics (physics & arithmetic)
 - propositions of natural science (Newtonian mechanics)
- How are synthetic a priori judgments so much as possible?

⁹ If one had the whole concept of which the notions of subject and predicate are *compartes*, synthetic judgments would be transformed into analytic ones. One wonders to what extent there is something arbitrary here. (*Notes on Metaphysics* (c. 1769) R3928, 17:350)

¹⁰

A Priori	A Posteriori
analytic	synthetic
synthetic	<i>analytic</i>

7.5 Two Questions

1. How are synthetic a priori judgments possible?
2. What is the extent of our synthetic a priori knowledge?
 - Must we have synthetic a priori knowledge to explain knowledge of even the most basic relationships between elements of reality?¹¹

8 The “Copernican Revolution” & Transcendental Idealism

- Instead of assuming that our knowledge must “conform” to its object we assume that objects conform to our manner of knowing them¹²
- Two conditions on the object of knowledge
 - how objects appear (Transcendental Aesthetic)
 - * space & time
 - how objects are thought (Transcendental Logic)
 - * the categories

References & Further Reading

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¹¹ Take the proposition “Everything that happens has its cause”...the concept of a cause lies entirely outside [the concept of an event] and indicates something different than the concept of what happens in general, and is therefore not contained in the latter representation at all. How then do I come to say something quite different about that which happens in general, and to cognize the concept of cause as belonging to it, indeed necessarily, even though not contained in it? What is the unknown =X here on which the understanding depends when it believes itself to discover beyond the concept of A a predicate that is foreign to it yet which it nevertheless believes to be connected with it? (A9/B13)

¹² Up to now it has been assumed that all our cognition must conform to the objects; but all attempts to find out something about them *a priori* through concepts that would extend our cognition have, on this presupposition, come to nothing. Hence let us once try whether we do not get farther with the problems of metaphysics by assuming that the objects must conform to our cognition, which would agree better with the requested possibility of an *a priori* cognition of them, which is to establish something about objects before they are given to us. This would be just like the first thoughts of Copernicus, who, when he did not make good progress in the explanation of the celestial motions if he assumed that the entire celestial host revolves around the observer, tried to see if he might not have greater success if he made the observer revolve and left the stars at rest. (Bxvi–xvii)