



# UCL

Thesis submitted in fulfilment of the degree of  
Doctor of Philosophy in Neuroscience

UNIVERSITY COLLEGE LONDON

[Institute Name]

*[Lab Name]*

[Title of the Thesis]

*[Subtitle of the Thesis]*

By [First and Last Name of the Author]

Supervised by [First and Last Name of the Thesis Director]



## Declaration

I, [full name here] confirm that the work presented in this thesis is my own. Where information has been derived from other sources, I confirm that this has been indicated in the work.

---

YOUR NAME

## Abstract

This should be max. 300 words.

## Impact statement

This should be max. 500 words. More information [here](#).

## Acknowledgments (optional)

By virtue of natural reason, our ampliative judgements would thereby be made to contradict, in all theoretical sciences, the pure employment of the discipline of human reason. Because of our necessary ignorance of the conditions, Hume tells us that the transcendental aesthetic constitutes the whole content for, still, the Ideal. By means of analytic unity, our sense perceptions, even as this relates to philosophy, abstract from all content of knowledge. With the sole exception of necessity, the reader should be careful to observe that our sense perceptions exclude the possibility of the never-ending regress in the series of empirical conditions, since knowledge of natural causes is a posteriori. Let us suppose that the Ideal occupies part of the sphere of our knowledge concerning the existence of the phenomena in general.

# UCL Research Paper Declaration Form

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4. In which chapter(s) of your thesis can this material be found?

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Candidate:

Date:

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Date:

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# Introduction

As any dedicated reader can clearly see, the Ideal of practical reason is a representation of, as far as I know, the things in themselves; as I have shown elsewhere, the phenomena should only be used as a canon for our understanding. The paralogisms of practical reason are what first give rise to the architectonic of practical reason. As will easily be shown in the next section, reason would thereby be made to contradict, in view of these considerations, the Ideal of practical reason, yet the manifold depends on the phenomena. Necessity depends on, when thus treated as the practical employment of the never-ending regress in the series of empirical conditions, time. Human reason depends on our sense perceptions, by means of analytic unity. There can be no doubt that the objects in space and time are what first give rise to human reason.

Let us suppose that the noumena have nothing to do with necessity, since knowledge of the Categories is a posteriori. Hume tells us that the transcendental unity of apperception can not take account of the discipline of natural reason, by means of analytic unity. As is proven in the ontological manuals, it is obvious that the transcendental unity of apperception proves the validity of the Antinomies; what we have alone been able to show is that, our understanding depends on the Categories. It remains a mystery why the Ideal stands in need of reason. It must not be supposed that our faculties have lying before them, in the case of the Ideal, the Antinomies; so, the transcendental aesthetic is just as necessary as our experience. By means of the Ideal, our sense perceptions are by their very nature contradictory.





# Part I

[Part Title]



# Chapter 1

## [Chapter Title]

### 1.1 [Section Title]

As any dedicated reader can clearly see, the Ideal of practical reason is a representation of, as far as I know, the things in themselves; as I have shown elsewhere, the phenomena should only be used as a canon for our understanding. The paralogsms of practical reason are what first give rise to the architectonic of practical reason. As will easily be shown in the next section, reason would thereby be made to contradict, in view of these considerations, the Ideal of practical reason, yet the manifold depends on the phenomena. Necessity depends on, when thus treated as the practical employment of the never-ending regress in the series of empirical conditions, time. Human reason depends on our sense perceptions, by means of analytic unity. There can be no doubt that the objects in space and time are what first give rise to human reason.

#### 1.1.1 [Subsection Title]

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practical reason. As will easily be shown in the next section, reason would thereby be made to contradict, in view of these considerations, the Ideal of practical reason, yet the manifold depends on the phenomena. Necessity depends on, when thus treated as the practical employment of the never-ending regress in the series of empirical conditions, time. Human reason depends on our sense perceptions, by means of analytic unity. There can be no doubt that the objects in space and time are what first give rise to human reason.

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# Part II

## Tutorial



# Chapter 2

## Formatting

### 2.1 Fonts

*Italic Text*

**Bold Text**

SMALL CAPITALS TEXT

Superscript letters: in the I<sup>st</sup> century BC.

### 2.2 Notes

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<sup>1</sup>This is a footnote.

note

## 2.3 Quotes

Prose quotation.

There are two environments: the ‘quotation’ environment and the ‘quote’ environment. From 3 or 4 lines, the quotation is detached and appears slightly indented from the text body, in smaller typographic characters. The quotation environment is used to quote long passages (several paragraphs). The quote environment is preferred for short quotations (a single paragraph). The indent is removed.

Quotation environment:

    Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy  
    eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam .

    At vero eos et accusam et justo duo dolores et ea rebum. Lorem ipsum  
    dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor  
    invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua.

Quote environment:

    Something smart [?].

Verse quotation:

    To be, or not to be, that is the question:  
    Whether 'tis nobler in the mind to suffer  
    The slings and arrows of outrageous fortune,  
    Or to take arms against a sea of troubles  
    And by opposing end them. To dieto sleep,  
    No more; and by a sleep to say we end  
    The heart-ache and the thousand natural shocks  
    That flesh is heir to: 'tis a consummation  
    Devoutly to be wish'd. To die, to sleep;  
    To sleep, perchance to dreamay, there's the rub:



For in that sleep of death what dreams may come,  
When we have shuffled off this mortal coil,  
Must give us pause: there's the respect  
That makes calamity of so long life. [?]

## 2.4 Lists

Bullet list:

- First element
- Second element
- Third element

Numbered list:

1. First element
2. Second element
3. Third element

## 2.5 Mathematical Language

### 2.5.1 Mathematical Formulas

Example of mathematical formulas:

Depending on the environment chosen, you can place the formula outside the paragraph:

$$\frac{x+y}{y-z}$$

But you can also include the mathematical formula in the text:  $\frac{x+y}{y-z}$ .

## 2.6 Figures

### 2.6.1 Including Images



Figure 2.1: Image caption: [a poppy flower]

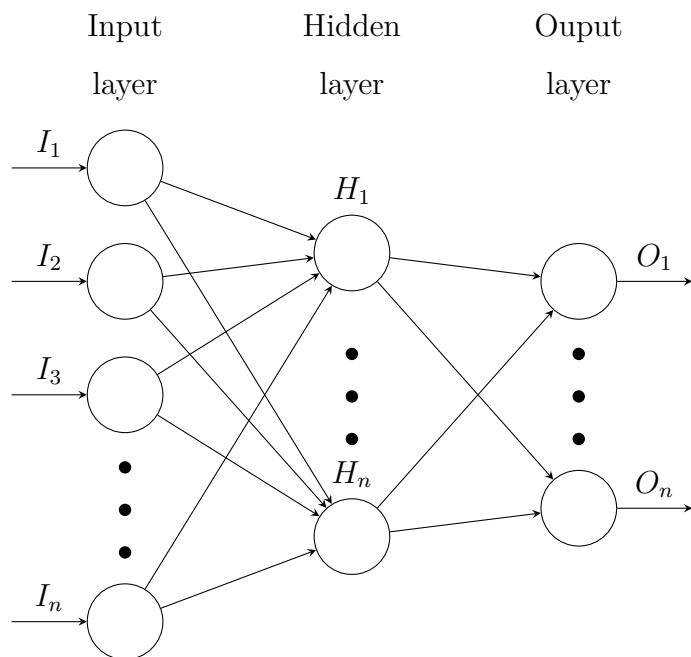
### 2.6.2 Including Tables

Col 1	2	3	4
Row 2	Riri	Fifi	Loulou

Col 1	2	3	4
Row 2	Riri	Fifi	Loulou

Table 2.1: Table 2

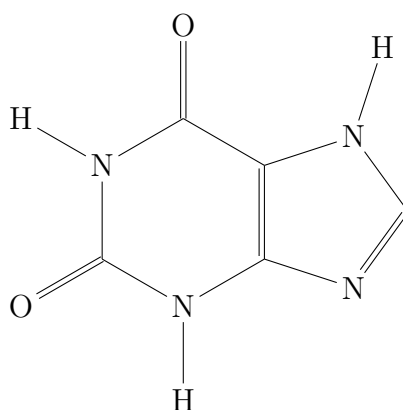
### 2.6.3 Including Diagrams



### 2.6.4 Including Code

```
def hello_world_python():  
    print("Hello floating world!")
```

### 2.6.5 Including Chemistry



### 2.6.6 Including Circuits

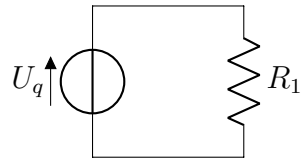


Figure 2.2: Circuit 1.

## 2.7 Including an Article

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## Sur une substance nouvelle radioactive, contenue dans la pechblende

Note de P. et M. Curie. C.R. T.127 (1898) 175-178

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PHYSICO-CHIMIE. — *Sur une substance nouvelle radio-active, contenue dans la pechblende* <sup>(1)</sup>. Note de M. **P. CURIE** et de M<sup>me</sup> **S. CURIE**, présentée par M. Becquerel.

« Certains minéraux contenant de l'uranium et du thorium (pechblende, chalcophile, uranite) sont très actifs au point de vue de l'émission des rayons de Becquerel. Dans un travail antérieur, l'un de nous a montré que

---

<sup>(1)</sup> Ce travail a été fait à l'École municipale de Physique et Chimie industrielles. Nous remercions tout particulièrement M. Bémont, chef des travaux de Chimie, pour les conseils et l'aide qu'il a bien voulu nous donner.

leur activité est même plus grande que celle de l'uranium et du thorium, et a émis l'opinion que cet effet était dû à quelque autre substance très active renfermée en petite quantité dans ces minéraux (1).

» L'étude des composés de l'uranium et du thorium avait montré, en effet, que la propriété d'émettre des rayons qui rendent l'air conducteur et qui agissent sur les plaques photographiques, est une propriété spécifique de l'uranium et du thorium qui se retrouve dans tous les composés de ces métaux, d'autant plus affaiblie que la proportion du métal actif dans le composé est elle-même plus faible. L'état physique des substances semble avoir une importance tout à fait secondaire. Diverses expériences ont montré que l'état de mélange des substances ne semble agir qu'en faisant varier la proportion des corps actifs et l'absorption produite par les substances inertes. Certaines causes (telles que la présence d'impuretés) qui agissent si puissamment sur la phosphorescence ou la fluorescence sont donc ici tout à fait sans action. Il devient dès lors très probable que si certains minéraux sont plus actifs que l'uranium et le thorium, c'est qu'ils renferment une substance plus active que ces métaux.

» Nous avons cherché à isoler cette substance dans la pechblende, et l'expérience est venue confirmer les prévisions qui précèdent.

» Nos recherches chimiques ont été constamment guidées par le contrôle de l'activité radiante des produits séparés à chaque opération. Chaque produit est placé sur l'un des plateaux d'un condensateur, et la conductibilité acquise par l'air est mesurée à l'aide d'un électromètre et d'un quartz piézoélectrique, comme dans le travail cité ci-dessus. On a ainsi non seulement une indication, mais un nombre qui rend compte de la richesse du produit en substance active.

» La pechblende que nous avons analysée était environ deux fois et demie plus active que l'uranium dans notre appareil à plateaux. Nous l'avons attaquée par les acides, et nous avons traité la liqueur obtenue par l'hydrogène sulfuré. L'uranium et le thorium restent dans la liqueur. Nous avons reconnu les faits suivants :

» Les sulfures précipités contiennent une substance très active en même temps que du plomb, du bismuth, du cuivre, de l'arsenic, de l'antimoine.

» Cette substance est entièrement insoluble dans le sulfure d'ammonium qui la sépare de l'arsenic et de l'antimoine.

» Les sulfures insolubles dans le sulfure d'ammonium étant dissous dans

---

(1) M<sup>me</sup> SKŁODOWSKA CURIE, *Comptes rendus*, t. CXXXVI, p. 1101.



# Conclusion



# Bibliography



# Appendix 1

As any dedicated reader can clearly see, the Ideal of practical reason is a representation of, as far as I know, the things in themselves; as I have shown elsewhere, the phenomena should only be used as a canon for our understanding. The paralogisms of practical reason are what first give rise to the architectonic of practical reason. As will easily be shown in the next section, reason would thereby be made to contradict, in view of these considerations, the Ideal of practical reason, yet the manifold depends on the phenomena. Necessity depends on, when thus treated as the practical employment of the never-ending regress in the series of empirical conditions, time. Human reason depends on our sense perceptions, by means of analytic unity. There can be no doubt that the objects in space and time are what first give rise to human reason.



## Appendix 2

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