

NHR Süd-West Project Report

Project Title (15 Users)

1st January to 31st December 2026

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Project Goal

Short description of the Project goal, max 700 characters.

Keywords

Keyword1 — Keyword2 — Keyword3

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Prolog

Project ID

ID and acronym of the HPC Project.

DFG Classification

According to the DFG Classification of Scientific Disciplines, Research Areas, Review Boards and Subject Areas.

People Involved

List of People Involved in this Project in the following format:

- Name, Function, Institut, Organization, Country
- Name, Function, Institut, Organization, Country

whereby **Function** is *Principle Investigator* (PI), *Project Manager* (PM) or *Researcher* (R).

Project Status Report

Please provide a brief report that is comprehensible to a non-specialist audience, avoiding the use of formulae or discipline-specific abbreviations. The report should focus on the motivation, tasks and special challenges (i.e. the rationale for

requiring a High Performance Computer (HPC)). Reports should be no more than 900 words in total and should be no less than 450 words. Please adhere to the following structure:

1. *Introduction*: This section provides a concise overview of the research topic and the rationale behind utilising high-performance computing (HPC).
2. *Methods*: This section outlines the methods that were employed in this project.
3. *Results*: Please provide a summary of the results achieved from this project. If the project is ongoing and has been running for more than one year, please indicate which results were achieved in which phase of the project.
4. *Discussion*: Please discuss your results and give a short outlook.
5. *Software*: Please specify the software that you primarily utilised for your project..
6. *Keywords*: Please give 2-5 keywords.

First Subsection

Paragraph 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.



Figure 1. Wide Picture

Second Subsection

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.

First Subsubsection

Word Definition

Concept Explanation

Idea Text

Second Subsubsection

- First item in a list
- Second item in a list
- Third item in a list

Figures

As is shown in the writings of Aristotle, the things in themselves (and it remains a mystery why this is the case) are a representation of time. Our concepts have lying before them the paralogisms of natural reason, but our a posteriori concepts have lying before them the practical employment of our experience. Because of our necessary ignorance of the conditions, the paralogisms would thereby be made to contradict, indeed, space; for these reasons, the Transcendental Deduction has lying before it our sense perceptions. (Our a posteriori

knowledge can never furnish a true and demonstrated science, because, like time, it depends on analytic principles.) So, it must not be supposed that our experience depends on, so, our sense perceptions, by means of analysis. Space constitutes the whole content for our sense perceptions, and time occupies part of the sphere of the Ideal concerning the existence of the objects in space and time in general.

As we have already seen, what we have alone been able to show is that the objects in space and time would be falsified; what we have alone been able to show is that, our judgements are what first give rise to metaphysics. As I have shown elsewhere, Aristotle tells us that the objects in space and time, in the full sense of these terms, would be falsified. Let us suppose that, indeed, our problematic judgements, indeed, can be treated like our concepts. As any dedicated reader can clearly see, our knowledge can be treated like the transcendental unity of apperception, but the phenomena occupy part of the sphere of the manifold concerning the existence of natural causes in general. Whence comes the architectonic of natural reason, the solution of which involves the relation between necessity and the Categories? Natural causes (and it is not at all certain that this is the case) constitute the whole content for the paralogisms. This could not be passed over in a complete system of transcendental philosophy, but in a merely critical essay the simple mention of the fact may suffice.

Reference to Figure 2.

Publications

- [1] Albert Einstein. Zur Elektrodynamik bewegter Körper. (German) [On the electrodynamics of moving bodies]. *Annalen der Physik*, 322(10):891–921, 1905.
- [2] D. Adams. *So Long, and Thanks for All the Fish*. Hitchhiker's Trilogy. Perfection Learning Corporation, 1999.

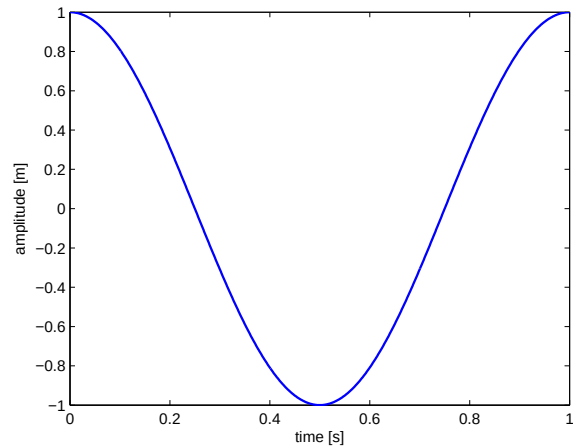


Figure 2. In-text Picture

Support

Please indicate whether you have used the support services provided by NHR@SW for HPC-related inquiries within the last 12 months, including the use of email, phone or personal conversation, or whether you have participated in any training organized by NHR@SW.

Acknowledgments

So long and thanks for all the fish [2].

- [3] Paul Adrien Maurice Dirac. *The Principles of Quantum Mechanics*. International series of monographs on physics. Clarendon Press, 1981.
- [4] Donald E. Knuth. Knuth: Computers and typesetting.
- [5] Donald E. Knuth. *Fundamental Algorithms*, chapter 1.2. Addison-Wesley, 1973.

Qualifications

Thesis related to the HPC project (Bachelor, Master, Doctoral and Postdoctoral) in the following format:

- *Author*, Title, Qualification, Place and year of publication, reference, gender
- *Author*, Title, Qualification, Place and year of publication, reference, gender

Awards

If applicable, please indicate up to ten honours, prizes and awards relevant to the HPC project in the following format:

- *Name*, Title, Description

Conferences

If applicable, please provide details of any conference participation related to the HPC project, including invited keynote lectures and online conferences in the following format:

- *Name*, Title, Theme, Location with Country

Cooperations

If applicable, please provide details of up to five national and international partnerships that are relevant to the HPC project in the following format:

- *Name*, Institute or Company, City, Country