



General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science)

Download now

[Click here](#) if your download doesn't start automatically

General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science)

General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science)

Scientists use concepts and principles that are partly specific for their subject matter, but they also share part of them with colleagues working in different fields. Compare the biological notion of a 'natural kind' with the general notion of 'confirmation' of a hypothesis by certain evidence. Or compare the physical principle of the 'conservation of energy' and the general principle of 'the unity of science'. Scientists agree that all such notions and principles aren't as crystal clear as one might wish.

An important task of the philosophy of the special sciences, such as philosophy of physics, of biology and of economics, to mention only a few of the many flourishing examples, is the clarification of such subject specific concepts and principles. Similarly, an important task of 'general' philosophy of science is the clarification of concepts like 'confirmation' and principles like 'the unity of science'. It is evident that clarification of concepts and principles only makes sense if one tries to do justice, as much as possible, to the actual use of these notions by scientists, without however following this use slavishly. That is, occasionally a philosopher may have good reasons for suggesting to scientists that they should deviate from a standard use. Frequently, this amounts to a plea for differentiation in order to stop debates at cross-purposes due to the conflation of different meanings.

While the special volumes of the series of Handbooks of the Philosophy of Science address topics relative to a specific discipline, this general volume deals with focal issues of a general nature.

After an editorial introduction about the dominant method of clarifying concepts and principles in philosophy of science, called explication, the first five chapters deal with the following subjects. Laws, theories, and research programs as units of empirical knowledge (Theo Kuipers), various past and contemporary perspectives on explanation (Stathis Psillos), the evaluation of theories in terms of their virtues (Ilkka Niiniluoto), and the role of experiments in the natural sciences, notably physics and biology (Allan Franklin), and their role in the social sciences, notably economics (Wenceslao Gonzalez).

In the subsequent three chapters there is even more attention to various positions and methods that philosophers of science and scientists may favor: ontological, epistemological, and methodological positions (James Ladyman), reduction, integration, and the unity of science as aims in the sciences and the humanities (William Bechtel and Andrew Hamilton), and logical, historical and computational approaches to the philosophy of science (Atocha Aliseda and Donald Gillies).

The volume concludes with the much debated question of demarcating science from nonscience (Martin Mahner) and the rich European-American history of the philosophy of science in the 20th century (Friedrich Stadler).

- Comprehensive coverage of the philosophy of science written by leading philosophers in this field
- Clear style of writing for an interdisciplinary audience
- No specific pre-knowledge required



[Download General Philosophy of Science: Focal Issues \(Handb ...pdf](#)



[Read Online General Philosophy of Science: Focal Issues \(Han ...pdf](#)

Download and Read Free Online General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science)

From reader reviews:

Amanda Haskin:

Would you one of the book lovers? If so, do you ever feeling doubt when you are in the book store? Aim to pick one book that you never know the inside because don't determine book by its cover may doesn't work at this point is difficult job because you are scared that the inside maybe not while fantastic as in the outside look likes. Maybe you answer is usually General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science) why because the amazing cover that make you consider regarding the content will not disappoint anyone. The inside or content is definitely fantastic as the outside or even cover. Your reading sixth sense will directly assist you to pick up this book.

Kenneth Grimes:

Reading a book for being new life style in this 12 months; every people loves to read a book. When you learn a book you can get a wide range of benefit. When you read publications, you can improve your knowledge, since book has a lot of information in it. The information that you will get depend on what types of book that you have read. If you want to get information about your examine, you can read education books, but if you want to entertain yourself look for a fiction books, these us novel, comics, and soon. The General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science) provide you with a new experience in examining a book.

Michele Brown:

This General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science) is completely new way for you who has fascination to look for some information since it relief your hunger of knowledge. Getting deeper you into it getting knowledge more you know otherwise you who still having little digest in reading this General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science) can be the light food in your case because the information inside this kind of book is easy to get by simply anyone. These books produce itself in the form and that is reachable by anyone, sure I mean in the e-book type. People who think that in publication form make them feel drowsy even dizzy this guide is the answer. So there isn't any in reading a book especially this one. You can find what you are looking for. It should be here for you actually. So , don't miss the idea! Just read this e-book kind for your better life along with knowledge.

Diana Erickson:

A lot of book has printed but it is different. You can get it by net on social media. You can choose the top book for you, science, comedy, novel, or whatever simply by searching from it. It is known as of book General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science). Contain your knowledge by it. Without causing the printed book, it can add your knowledge and make a person happier to read. It is most important that, you must aware about reserve. It can bring you from one destination to other

place.

Download and Read Online General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science) #F5BYXLK9A6V

Read General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science) for online ebook

General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science) Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science) books to read online.

Online General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science) ebook PDF download

General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science) Doc

General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science) MobiPocket

General Philosophy of Science: Focal Issues (Handbook of the Philosophy of Science) EPub