



An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure

By J. Franklin

Download now

Read Online 

An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure By J. Franklin

Mathematics is as much a science of the real world as biology is. It is the science of the world's quantitative aspects (such as ratio) and structural or patterned aspects (such as symmetry). The book develops a complete philosophy of mathematics that contrasts with the usual Platonist and nominalist options.

 [Download An Aristotelian Realist Philosophy of Mathematics: ...pdf](#)

 [Read Online An Aristotelian Realist Philosophy of Mathematic ...pdf](#)

An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure

By J. Franklin

An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure By J. Franklin

Mathematics is as much a science of the real world as biology is. It is the science of the world's quantitative aspects (such as ratio) and structural or patterned aspects (such as symmetry). The book develops a complete philosophy of mathematics that contrasts with the usual Platonist and nominalist options.

An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure By J. Franklin Bibliography

- Rank: #2189242 in eBooks
- Published on: 2014-04-09
- Released on: 2014-04-09
- Format: Kindle eBook

 [Download An Aristotelian Realist Philosophy of Mathematics: ...pdf](#)

 [Read Online An Aristotelian Realist Philosophy of Mathematic ...pdf](#)

Download and Read Free Online An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure By J. Franklin

Editorial Review

Review

“An Aristotelian Realist Philosophy of Mathematics is an interesting and challenging book. ... Franklin goes through a wealth of material in philosophy, mathematics, and science to motivate and justify his position. ... there will still be something for all readers to enjoy due to its large scope and variety of interesting and detailed examples.” (Alex Koo, *The Mathematical Intelligencer*, Vol. 38, September, 2016)

“The book is comprised of fifteen chapters plus a brief epilogue. ... An Aristotelian Realist Philosophy of Mathematics contains many interesting and important discussions, in particular, the discussion of the use of inductive reasoning in mathematics This book is provocative and interesting reading for anyone interested in how mathematical entities are related to the physical world and how we gain knowledge of such entities.” (James Davies, *Metascience*, Vol. 24, 2015)

"A short review cannot do justice to the variety of problems considered and the interesting angles of attack offered by [Franklin's] realist point of view."

-David Guaspari, *The New Criterion*

"Most of the traditional problems in the philosophy of mathematics arise, in James Franklin's words, out of the 'oscillation between Platonism and nominalism, as if those were the only alternatives' (p. 11). In *An Aristotelian Realist Philosophy of Mathematics* Franklin develops a tantalizing alternative to these approaches by arguing that at least some mathematical universals exist in the physical realm and are knowable through ordinary methods of access to physical reality. By offering a third option that lies between these extreme all-or-nothing approaches and by rejecting the 'dichotomy of objects into abstract and concrete', Franklin provides potential solutions to many of these traditional problems and opens up a whole new terrain for debate in the philosophy of mathematics (p. 15). The acknowledgement of this by no means new but oft neglected Aristotelian position sheds refreshing new light on debates that have become somewhat stagnant in recent times. Furthermore, by drawing attention to the possibility of an Aristotelian alternative, Franklin opens the way for a whole host of new debates to emerge regarding the correct Aristotelian approach. The scope of the book is ambitious and the overall position defended is controversial in a number of ways. As such, it gives rise to as many new questions as it provides answers. However, this should be seen as a positive, since the many questions that arise are deeply significant and have been neglected by philosophers of mathematics for far too long."

-Max Jones, *Philosophica Mathematica*

"This book should be part of the personal library of any university-level student of philosophy."

-Jude P. Dougherty, *Review of Metaphysics*

About the Author

James Franklin is Professor of Mathematics at the University of New South Wales, Australia and founder of the 'Sydney School' in the philosophy of mathematics. His books include *The Science of Conjecture: Evidence and Probability Before Pascal*; *Corrupting the Youth: A History of Philosophy in Australia*; and

What Science Knows.

Users Review

From reader reviews:

Brenda Gregg:

This *An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure* tend to be reliable for you who want to be considered a successful person, why. The explanation of this *An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure* can be one of the great books you must have is actually giving you more than just simple studying food but feed anyone with information that maybe will shock your previous knowledge. This book is actually handy, you can bring it just about everywhere and whenever your conditions in e-book and printed kinds. Beside that this *An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure* giving you an enormous of experience like rich vocabulary, giving you demo of critical thinking that we know it useful in your day action. So , let's have it appreciate reading.

Jennifer Galaviz:

An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure can be one of your nice books that are good idea. We recommend that straight away because this book has good vocabulary that can increase your knowledge in words, easy to understand, bit entertaining but nevertheless delivering the information. The article writer giving his/her effort that will put every word into enjoyment arrangement in writing *An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure* although doesn't forget the main stage, giving the reader the hottest in addition to based confirm resource data that maybe you can be among it. This great information may drawn you into brand new stage of crucial contemplating.

Carmen Russell:

Is it anyone who having spare time after that spend it whole day simply by watching television programs or just telling lies on the bed? Do you need something new? This *An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure* can be the reply, oh how comes? A book you know. You are consequently out of date, spending your extra time by reading in this new era is common not a nerd activity. So what these ebooks have than the others?

Claudia Fox:

A lot of reserve has printed but it is different. You can get it by internet on social media. You can choose the most effective book for you, science, comedian, novel, or whatever simply by searching from it. It is referred to as of book *An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure*. Contain your knowledge by it. Without leaving the printed book, it could possibly add your knowledge and make a person happier to read. It is most critical that, you must aware about book. It can bring you from one spot to other place.

Download and Read Online An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure By J. Franklin #VS9RLNBH6MK

Read An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure By J. Franklin for online ebook

An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure By J. Franklin Free PDF download, 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 An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure By J. Franklin books to read online.

Online An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure By J. Franklin ebook PDF download

**An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and
Structure By J. Franklin Doc**

**An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure By J. Franklin
Mobipocket**

**An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and Structure By J. Franklin
EPub**

**VS9RLNBH6MK: An Aristotelian Realist Philosophy of Mathematics: Mathematics as the Science of Quantity and
Structure By J. Franklin**