



The Evolution of the Universe: A comparison of fractal structure of WMAP

Yongfeng Wu

Download now

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

The Evolution of the Universe: A comparison of fractal structure of WMAP

Yongfeng Wu

The Evolution of the Universe: A comparison of fractal structure of WMAP Yongfeng Wu

The value of the fractal dimension D of the universe is important for us to understand the evolution of the universe. Many methods have been developed to get the fractal dimension. To supplement the widely used methods, here we generalize the Metric Space Technique (MST), a tool used to analyze and classify astrophysical maps and perform a multi-scale analysis and get the fractal dimension of the early and current universe. We consider a wide range of smoothing levels for multi-scale filtering. By varying the size of the smoothing function over a range of scales, exactly like the wavelet transform, it becomes possible for a complete multi-scale description of galaxy distributions to get the fractal dimension in metric space. We find that the early universe has a clear fractal structure ($D \sim 1.45$) but the current universe is more homogeneous ($D \sim 1.15$). We think that gravitation force decreases the fractal dimension of the universe when the universe evolves.

 [Download The Evolution of the Universe: A comparison of fra ...pdf](#)

 [Read Online The Evolution of the Universe: A comparison of f ...pdf](#)

Download and Read Free Online The Evolution of the Universe: A comparison of fractal structure of WMAP Yongfeng Wu

From reader reviews:

Richard Hood:

Now a day folks who Living in the era wherever everything reachable by connect to the internet and the resources in it can be true or not involve people to be aware of each data they get. How a lot more to be smart in receiving any information nowadays? Of course the reply is reading a book. Studying a book can help individuals out of this uncertainty Information especially this The Evolution of the Universe: A comparison of fractal structure of WMAP book as this book offers you rich information and knowledge. Of course the data in this book hundred pct guarantees there is no doubt in it everbody knows.

Arthur Haase:

The ability that you get from The Evolution of the Universe: A comparison of fractal structure of WMAP may be the more deep you digging the information that hide inside the words the more you get interested in reading it. It does not mean that this book is hard to understand but The Evolution of the Universe: A comparison of fractal structure of WMAP giving you excitement feeling of reading. The author conveys their point in certain way that can be understood simply by anyone who read it because the author of this guide is well-known enough. This kind of book also makes your current vocabulary increase well. Making it easy to understand then can go along, both in printed or e-book style are available. We recommend you for having this The Evolution of the Universe: A comparison of fractal structure of WMAP instantly.

Melanie Pemberton:

Why? Because this The Evolution of the Universe: A comparison of fractal structure of WMAP is an unordinary book that the inside of the guide waiting for you to snap that but latter it will distress you with the secret it inside. Reading this book close to it was fantastic author who also write the book in such incredible way makes the content on the inside easier to understand, entertaining method but still convey the meaning completely. So , it is good for you for not hesitating having this anymore or you going to regret it. This unique book will give you a lot of gains than the other book possess such as help improving your expertise and your critical thinking method. So , still want to hold off having that book? If I ended up you I will go to the book store hurriedly.

Juana Rummel:

Reading a e-book make you to get more knowledge from this. You can take knowledge and information from a book. Book is published or printed or highlighted from each source this filled update of news. In this modern era like right now, many ways to get information are available for you actually. From media social just like newspaper, magazines, science book, encyclopedia, reference book, new and comic. You can add your knowledge by that book. Ready to spend your spare time to spread out your book? Or just seeking the The Evolution of the Universe: A comparison of fractal structure of WMAP when you essential it?

**Download and Read Online The Evolution of the Universe: A
comparison of fractal structure of WMAP Yongfeng Wu
#ET1IGY87HRC**

Read The Evolution of the Universe: A comparison of fractal structure of WMAP by Yongfeng Wu for online ebook

The Evolution of the Universe: A comparison of fractal structure of WMAP by Yongfeng Wu 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 The Evolution of the Universe: A comparison of fractal structure of WMAP by Yongfeng Wu books to read online.

Online The Evolution of the Universe: A comparison of fractal structure of WMAP by Yongfeng Wu ebook PDF download

The Evolution of the Universe: A comparison of fractal structure of WMAP by Yongfeng Wu Doc

The Evolution of the Universe: A comparison of fractal structure of WMAP by Yongfeng Wu Mobipocket

The Evolution of the Universe: A comparison of fractal structure of WMAP by Yongfeng Wu EPub