



# **BENDING THE RULER**

**Time Travel  
The Speed of Light  
Gravity  
and  
The Big Bang**

**Physics Theory**



**Author:** R. Lindemann

theories being consistently spread abroad to the masses, theories which now have become socially accepted as “settled scientific fact”. His position is that when dealing with any of the sciences, accuracy is paramount to having true understanding of any topic. He states that, “People’s desire to push their own agenda, all too often overrides their accuracy and turns into a system of beliefs and denial of actual evidence, rather than accurate evaluation of the information using true science.”

He feels that true human logic is important and that it has been overridden through methods of modern indoctrination. In effort to help others navigate through the fog of misinformation and enhance their own understanding, he has gone through the process of writing many books on some of the most prominently misunderstood topics.

His current bibliography includes the books *Bending the Ruler* about astrophysics, *Dream Thin* a plain language instruction manual to understand weight loss, and his four-book *Life Corner Stone Series* which includes the books *Hot Water*, *Red Hot Marriage*, *Strong Family*, and even *Understanding Prayer* exploring the effectiveness of prayer and its effects on our bodies and whether or not prayer to a higher power is scientifically realistic. He also wrote the five-volume series called *The Science Of God* analyzing the viability of the Genesis Creation account and the Global Biblical flood. To get your own copy of these or his other books, visit [RLindemann.com](http://RLindemann.com) or search “R Lindemann” on your preferred book retailer’s website or wherever books are sold.

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## Author Bio

With over four decades in contract-engineering, this author has worked extended periods in several engineering fields, including chemical, electrical, and mechanical engineering, among others. This experience has offered him unique insight into key aspects of our physical and chemical world. Having also been heavily involved in the detailed data analysis that is required in various engineering fields, he was able define many core connections between physics, chemistry, our bodies, human behavior, and even how it all affects our beliefs and our decisions.

## Additional Bio Info

After having extensively studied the physical sciences, he began to see irrational

## ***Bending The Ruler***

### **Sample Interview Questions**

*For additional discussion points, see the detailed **Table Of Contents** following this page.*

- 1.) What is your technical background?
  
- 2.) What exactly does your book's title "***Bending The Ruler***" mean?
  
- 3.) Why did you write your book ***Bending The Ruler***?
  
- 4.) How reliable is science these days?
  
- 5.) People are always talking about other dimensions. And sci-fi movies regularly portray alternate dimensions. So, just how many "alternate dimensions" are there?
  
- 6.) ***Bending The Ruler*** mentions "Black Holes". What is your take on Black holes?
  
- 7.) What are your thoughts on the idea of a "Multiverse"?
  
- 8.) Is "Time Travel" possible?
  
- 9.) Does your book ***Bending The Ruler*** discuss how the laws of physics determine all physical reactions?
  
- 10.) They say that "Red-Shift" proves that the Universe is expanding. What is your view on that?
  
- 11.) What is "Space", does it even exist? And for that matter did it exist before the beginning of time?
  
- 12.) What are your thoughts on Einstein's "Thought Experiments"?

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**When searching, spell the name: "R space L-I-N-D-E-M-A-N-N"**

## Other Books by R. Lindemann

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*Time Travel,  
The Speed of Light,  
Gravity,  
and The Big Bang*

### ***The Science Of God***

*Volume 1  
The First Four Days*

### ***The Science Of God***

*Volume 2  
Day Three  
Gravity, Land, Seas,  
and  
Evolution of Plants*

### ***The Science Of God***

*Volume 3  
Day Five and Day Six  
The Creatures  
Revolution or Evolution*

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Evolution versus Man  
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### ***Thank You GOD***

*Finding Gratitude in Hard Times*

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I Will Build My Church*

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*The Weight Loss  
Repair Manual  
Lose Weight While Sleeping*

**Time Travel, The Speed of Light,  
Gravity, and The Big Bang**



**BENDING  
THE RULER**

R Lindemann

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Wisconsin, USA

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## ***Introduction***

As a child, science and physics were intriguing and were of natural interest to me. Curiosity about how things worked was of no small matter to my parents, as I dismantled anything I could get my hands on in order to understand how it worked.

In the early adult years, I had a naïve grasp of our world in that the view of simplicity in all that was around us was shared by everyone. But as realized later on in life, this was not so. The hesitation from getting too deeply into scientific discussion in the earlier years was because most of my work was in mechanical, computer, and chemical research and development. Yet the many unanswered questions about science, physics, and astrophysics kept persisting.

Whenever opportunity arose, I would read up on various areas of scientific study and have always found my deepest curiosity to lie within the physics realm, especially in relation to time, time-travel, the speed of light, and gravity. These exciting areas of study are thought by many to be mastered. But as you will see, what we believe today to be the absolute “truth” about science is not as absolute as we think.

This book has been written because the world, especially science-minded youth, need to understand that we have only just begun to understand the physical world around us. This book is written in simple language so that everyone can read it without feeling as if it is beyond their scope of knowledge and understanding.

In order to expose the errors that stop us from advancing towards the actual truth, we must bring to light, the many inconsistencies seen and practiced in the realm of science. Within these pages there are perspectives from both sides of an issue, not totally committing to one or the other. Yes, I have my own personal views with regard to both science and religion, but

am always excited and ready to hear contrary ideas. Contrary ideas are always welcome because contrary ideas are the best ideas to use in order to test any views we hold in *open* conclusion.

This book is not about the specifics of science, it's about opening our minds so that we can achieve the next level of science. For instance, if we are unwilling to say that Einstein may have been wrong or maybe that we understand him incorrectly, then we are trapped in whatever wrongness he may have practiced or the wrongness we may have interpreted from his conclusions.

In order to search out the absolute truth, science needs fresh new bright young minds to step up and see through society's preconceptions of what we "believe" is correct.

Challenge yourself to set aside all of your preconceptions and leave your mark on the world of science by teaching the rest of humanity to experience your perspective through our own eyes—find truth. This will allow humanity to see the beauty within each of your discoveries!

## ***Chapter 1***

### ***Understanding Our Universe***

Since the earliest of recorded history, we humans have left evidence of our desire to understand our origins and what we see around us. It seems that each day we are ever closer to understanding our origins, but are we? There are answers to the questions of “The Beginning,” but are these answers of a religious nature, a scientific nature, or maybe both?

For thousands of years, philosophers, religious leaders, and scientific-minded people have been seeking to understand our origins and how the “Heavens” came to be. Some of their ideas have been proven wrong, some are still unknown, and other theories are believed to be correct; however, an infinite amount of ideas have yet to be conceived! Regardless of whether the minds of the past were right or wrong, the underlying goal of almost everyone has been the same in this regard—we all want to know where we are from, how it all works, and how everything came to be.

Each subsequent generation of thinkers builds upon the successes and failures of the previous generations of thinkers. It is

## **Chapter 2**

### ***Bending the Ruler***

There is a great deal of confusion in people as they absorb the information being spread by the dominant portion of the scientific community. By simply listening to what they say, surprisingly, the closer the person is to the scientific community, then the more confusion we often see in the person. While there is a risk of offending a large number of science-minded people in making that statement, there are many very good and impartial scientists who care nothing of ego and only seek the truth; it is these scientists that have been making wonderful contributions to the world of science for centuries!

The word **science** means “*knowledge*”, or to “*cut*” or “*split*,” indicating investigation techniques that bring about *knowledge*. It is the job of science to split hairs and truly understand what causes it all to be. However, it’s our *inaccurate* speculations and, more importantly, our inaccurate conclusions, that get us into trouble. This is true for science, and for life in general.

Regardless of what the specifics are, what we call “science” is a fascinating field of work to be involved in, and many

## Chapter 3

### *High Expectations*

When discussing the deeper aspects of *discussing space*, such as “What is space?”, our own personal perspectives are incredibly important to account for; it seems that few people can successfully pull off an unbiased analysis of the data.

For instance, let’s take the Earth-centric view of the Heavens: We believe we have good evidence that the Earth is not the center of the solar system, and that the Earth orbits our Sun; but let’s not get arrogant thinking that we know it all; because, prior to Copernicus we had an Earth-centric view because of *our* perspective on the word *up*. And until Galileo introduced the idea of using the telescope for observing the celestial bodies, humanity only had the naked eye with which to observe the heavens. When we look *up*, “*up*” is a reference between our feet upon the ground, and our head in opposition to our feet upon the Earth. Right now, at the very moment that you are reading this, someone on the opposite side of the globe is looking *down* towards your *up*. While humanity has a good grasp that the Earth orbits the Sun, we are still susceptible to our own perspectives

## **Chapter 4**

### ***Finding a Way***

The human quest is to find a way to understand. So when we speak here of *Bending The Ruler*, we are not condemning the quest to understand; but rather, we are addressing the acceptance and deliberate attempts at permanently bending various scientific rulers that we partake in to cope with what we do not yet understand. It seems that the scientific mantra has become, "If it doesn't fit, then we will force it to fit!" That's like someone claiming that (G)od is on *their* side. Should we not, instead, say that we will abide by what is there, and adjust our descriptive mathematics to comply with what we actually see?

#### *God Exists*

A position held by many people is that Gods exists; and trying to debate with them about whether or not this is true is futile because their blind-faith is heavily set in their heart and mind. Real science-minded people "*know*" that there is no god... or do they?



## ***Chapter 5***

### ***Breathing Life into the Universe***

To diverge a bit from the celestial and quantum realms, since we humans are the ones who are doing all of the research, a discussion of *us* is in order. The very fact that humans live and breathe is an amazing function in itself. These human functions give good cause, in many minds, to believe that there is a deliberate Creator.

Just how did it all come to be? We have a tendency to point to Darwin as being the father of evolution, and while he was the first to lay down a clever argument for evolution in a book, creatorless creation is nothing new. For a very long time, varying beliefs on this topic have ranged fully throughout the entire belief spectrum. The debates of a god, gods, and existence ending at death, versus a life hereafter, have been major points of contention throughout recorded history. This same problem continues today, and it will likely continue in the future.

Take for instance the godless view of the world: Many of the proponents of a godless world are on a mission to discredit the Bible. However, through its historical content, the Bible is being

## **Chapter 6**

### ***Is Our "Scientific Method" All Inclusive?***

In the science world we believe that we are open-minded and objective, but are we really? Is our "scientific method" all inclusive? The simple answer: No!

Science should not get a pass in this world when being dishonest, because it is no different than any other industry. People steal each other's ideas and take the credit for themselves; but even though there are many selfless people in the field of science, arrogance does prevail, and some scientists will even lie, cheat, or steal in order to be recognized.

The scientific method, as defined, is fantasy. It is a fantasy because it fails to include the deliberate ignorance of many facts; and it also fails to include the selfish nature and financial- and agenda-driven aspects of science. The scientific-method ruler is damaged just as badly as the ruler-of-light is. This makes perfect sense because a tremendous amount of our science is based upon our belief in the constant speed of light, and in other potentially error-prone theories.

## **Chapter 7**

### ***Is the Universe(s) Expanding?***

Is the Universe expanding? Just how many universes are there? And, is there a multiverse?

Our thinking and beliefs have changed a great deal since the days of the flat-Earth theory and our outdated Earth-centric perspective. Now science believes that the Universe started from an infinitively small point (but some say the ball of matter was the size of a basketball) and that it exploded and has been expanding for billions of years. There are others who believe in a static universe, and there are some who believe that the Universe is actually contracting, so depending upon who you talk to, the jury is still out on an expanding universe.

In the days before what we consider to be “modern science”, where we, today, believe they *only* had the six day creation belief at that time, many people just accepted that a God did it all, and they didn’t bother splitting hairs on things that they couldn’t explain. Everything was attributed to some creator, who we humans believed that we were, or are, too stupid to understand. Things have changed since then. In our open-minded scientific

## **Chapter 8**

### **Matter**

What is matter? What is this stuff that all things seem to be made from? What is our definition of matter? **Matter** is defined as a *physical substance*, but who gets to determine what a “physical” substance actually is?

If we're not able to see something, then can we claim it to be a physical substance? Using electron microscopes we can see atoms, so this offers us reasonable proof that atoms exist. But the matter of *matter* at the quantum level is considerably less tangible. Once we penetrate the subatomic-particle level, then all bets are off; but while we have not yet been able to fully determine the specifics of the subatomic level, we should still keep trying.

The deeper we look, then the more the tangibility of what we are looking at vanishes. But, does that mean that something is not there? Tangible or touchable is an elusive area of study because there is no point of reference established; and our ability to establish that reference point can easily be moved by bending the ruler.

## **Chapter 9**

### ***Has Science Embraced The Wrong Things?***

Instead of embracing the fact that we don't understand light and gravity, we ignore that fact and we pretend that we understand. We embrace the bent ruler of our improperly used mathematics and call it *fact* even when nothing could be further from the truth—We have embraced the wrong things!

#### *I am Attracted to Gravity*

We simply do not understand gravity, and it would be good for that fact to be better known by the up-and-coming young scientists if we ever hope to truly understand gravity. I am attracted to gravity because gravity is not greatly understood, and is therefore an intriguing field of study that is wide open for new discovery. We have half-baked ideas about the effects of gravity but they are far from actually understanding gravity. It seems fair to say, through observation of the field of science, that there are a good number of scientists that believe gravity is understood by themselves. I say this in reference to and based upon some

## **Chapter 10**

### ***What Are We Doing?***

We, as a science community, are committing to beliefs that have not been proven. We know that, what we believe to be, anomalies *do* appear in our observations. These “anomalies”, however, are only our interpretation of the observation when weighed against our expectations. The expectations that we have are based upon our mathematic equations and upon our interpretations of our prior observations and day-to-day real-life observations.

Anytime we see, what we believe to be, an anomaly occur, or a discrepancy between our math and our actual observations, or between a logical expected result and an actual result, then our best bet is to re-evaluate our prior observations *and* our math.

*Be Careful with  $e=mc^2$*

Be careful with  $e=mc^2$  because it is a truly volatile equation that is based upon a great amount of uncertainty. It seems evident

## ***Chapter 11***

### ***Receive the Evidence***

As we observe the heavens we behold many wonderful sights. The same can be said for the microscopic subatomic realm. For the most part, we observe these sights and accept them for what they are. It's when they get beyond our reach that we start guessing.

Our math is not subject to our sensory perception. Just as we can create mental mathematical multidimensional arrays with computers, we can also imagine other mental anomalies that don't compute in the real world.

#### *Sensory Perception*

For the most part, our perceptions of what we experience are based upon our five senses. What we perceive in our immediate surroundings is truly all that matters to us at any given point in time. Whether it is the air or a meal, or anything else, we see it, we feel it, we taste it, we smell it, and we hear it; and, from this, we humans have deduced a multitude of basic perceptions.

## **Chapter 12**

### ***The Ruler***

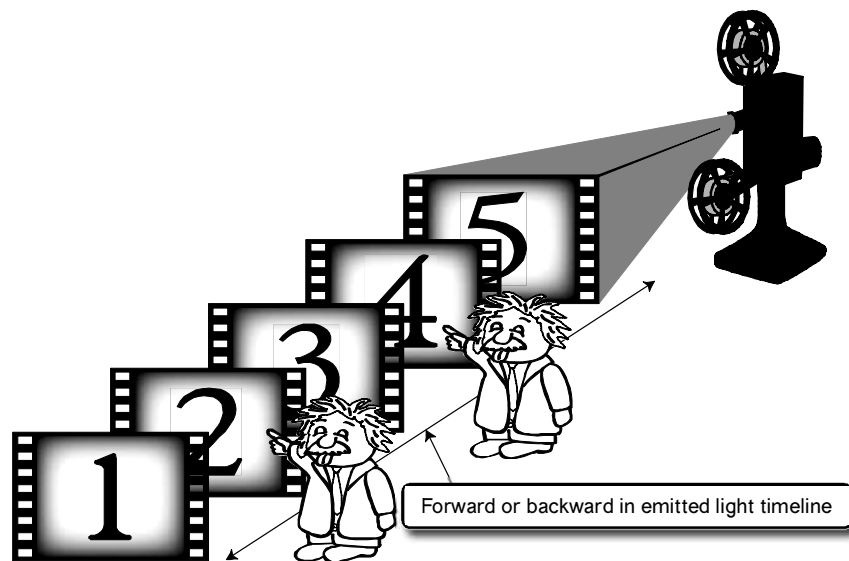
What is a **ruler**? A ruler is something that rules of course! Which brings us to the question, what does **rule** mean? **Rule** is to “*keep straight, direct, or right.*” It’s safe to infer that when we refer to a measuring instrument by the term **ruler**, we are speaking of a direct straight line between two points represented by the incremented stick.

In our minds, a common desk *ruler* is usually a plastic, metal, or wooden stick that has various increments on it to represent arbitrary spans of space. Who sets these arbitrary spans? And does it matter? As discussed earlier, a light-year is also a ruler that we use, but since we have no means to actually lay down, produce, or use a ruler of such immense length, we are left with finding a mere representation for a ruler with that immense of size.

A light-year takes our arbitrarily marked desk-ruler and mentally assigns an enormous amount of desk-rulers (or other measuring devices) in an imaginary end to end manner to



projector's light beam, then you would see each frame regressively pass in the index of movie frames. This would cause the projected movie to run in reverse for you the observer. Based upon big bang theory, and due to the speeds and distances that would had to have been achieved with big bang (which are due to the logic we use), our view of the furthest galaxy is not its age at 13.2 billion years, but rather, it is how it looked billions of years *before it existed*.



**Figure 8** Movie Projector Timeline

In big-bang-theory terms, the distant galaxy is possibly being seen today as it was in a previous bang cycle. This could mean that the big bang has collapsed and expanded, and what we are seeing today is light that occurred before the big bang. Oh, but the many anomalies in that idea... This could mean that the galaxy is collapsing towards us, but at what speed we do not know. However, this presents us with a problem called red-shift. If the most distant galaxy is moving towards us, then what happens to red-shift?

## **Chapter 21**

### ***Beyond the Infinite***

The speed of light, time-travel, gravity, time, and the big bang are prominent areas with a great ability to deceive us. For many people this message might not be popular, but know this: It is those who refuse to consider this message, about scientific truth, whose ways we must reject.

The big bang has outlived its usefulness to anyone with an open mind, but this does not mean that we must suddenly embrace another wrong doctrine. Rather, we should seek to understand how it all came to be from other perspectives. Maybe some of those perspectives include a Creator, and maybe some of them do not include a Creator, but one thing holds true—utter rejection of anything that cannot be disproved is foolish and dangerous to the rejecting individual.

If someone can present convincing evidence of a big bang then that would be good, but they will need to be able to explain *all* of the vast inconsistencies in their belief. Let us use the same standard for science that science held the church to over the centuries. Darwin's stretching of age in order to prove his