



GOD

AND THE ATOM

*From Democritus to the Higgs Boson:
The Story of a Triumphant Idea*

VICTOR J. STENGER

Author of the New York Times bestseller GOD: THE FAILED HYPOTHESIS

God And The Atom Victor J Stenger

Wolfgang Guggemos



God And The Atom Victor J Stenger:

God and the Atom Victor J. Stenger, 2013-04-09 This history of atomism from Democritus to the recent discovery of the Higgs boson chronicles one of the most successful scientific hypotheses ever devised Originating separately in both ancient Greece and India the concept of the atom persisted for centuries despite often running afoul of conventional thinking Until the twentieth century no direct evidence for atoms existed Today it is possible to actually observe atoms using a scanning tunneling microscope In this book physicist Victor J Stenger makes the case that in the final analysis atoms and the void are all that exists The book begins with the story of the earliest atomists the ancient Greek philosophers Leucippus Democritus and Epicurus and the Latin poet Lucretius As the author notes the idea of elementary particles as the foundation of reality had many opponents throughout history from Aristotle to Christian theologians and even some nineteenth century chemists and philosophers While theists today accept that the evidence for the atomic theory of matter is overwhelming they reject the atheistic implications of that theory In conclusion the author underscores the main point made throughout this work the total absence of empirical facts and theoretical arguments to support the existence of any component to reality other than atoms and the void can be taken as proof beyond a reasonable doubt that such a component is nowhere to be found **Has**

Science Found God? Victor J. Stenger, 2009-12-02 In the past few years a number of scientists have claimed that there is credible scientific evidence for the existence of God In 1998 Newsweek went so far as to proclaim on its cover Science Finds God Is this true Are scientists close to solving the greatest of all mysteries Physicist Victor J Stenger delves into this fascinating question from a skeptical point of view in this lucid and engrossing presentation of the key scientific facts Stenger critically reviews the attempts of many contemporary theologians and some scientists to resurrect failed natural theologies in new guises Whether these involve updated arguments from design anthropic coincidences or modern forms of deism Stenger clearly shows that nothing in modern science requires supernatural explanation He offers naturalistic explanations for empirical observations that are frequently given theistic interpretations for example that information in the universe implies an intelligent designer that a universe with a beginning requires a Creator and that the elegant laws of physics suggest a transcendent realm He shows that alleged spiritual nonmaterial phenomena do not lie beyond the experimental reach of physics This thorough and careful consideration of scientific evidence covers much ground yet remains accessible and highly informative to the educated lay reader *God and the Folly of Faith* Victor J. Stenger, 2012-04-03 A thorough and hard

hitting critique that is a must read for anyone interested in the interaction between religion and science It has become the prevalent view among sociologists historians and some theistic scientists that religion and science have never been in serious conflict Some even claim that Christianity was responsible for the development of science In a sweeping historical survey that begins with ancient Greek science and proceeds through the Renaissance and Enlightenment to contemporary advances in physics and cosmology Stenger makes a convincing case that not only is this conclusion false but Christianity actually held

back the progress of science for one thousand years It is significant he notes that the scientific revolution of the seventeenth century occurred only after the revolts against established ecclesiastic authorities in the Renaissance and Reformation opened up new avenues of thought The author goes on to detail how religion and science are fundamentally incompatible in several areas the origin of the universe and its physical parameters the origin of complexity holism versus reductionism the nature of mind and consciousness and the source of morality In the end Stenger is most troubled by the negative influence that organized religion often exerts on politics and society He points out antiscientific attitudes embedded in popular religion that are being used to suppress scientific results on issues of global importance such as overpopulation and environmental degradation When religion fosters disrespect for science it threatens the generations of humanity that will follow ours

God: The Failed Hypothesis Victor J. Stenger, 2010-08-05 Throughout history arguments for and against the existence of God have been largely confined to philosophy and theology while science has sat on the sidelines Despite the fact that science has revolutionized every aspect of human life and greatly clarified our understanding of the world somehow the notion has arisen that it has nothing to say about the possibility of a supreme being which much of humanity worships as the source of all reality This book contends that if God exists some evidence for this existence should be detectable by scientific means especially considering the central role that God is alleged to play in the operation of the universe and the lives of humans Treating the traditional God concept as conventionally presented in the Judeo Christian and Islamic traditions like any other scientific hypothesis physicist Stenger examines all of the claims made for God's existence He considers the latest Intelligent Design arguments as evidence of God's influence in biology He looks at human behavior for evidence of immaterial souls and the possible effects of prayer He discusses the findings of physics and astronomy in weighing the suggestions that the universe is the work of a creator and that humans are God's special creation After evaluating all the scientific evidence Stenger concludes that beyond a reasonable doubt the universe and life appear exactly as we might expect if there were no God This paperback edition of the New York Times bestselling hardcover edition contains a new foreword by Christopher Hitchens and a postscript by the author in which he responds to reviewers' criticisms of the original edition

God Is a Particle? David C. Peterson, 2017-01-26 This book examines the most cutting edge scientific discoveries of our time including the confirmation of the Higgs boson particle or field which has been described as more notable and important than Einstein's Theory of Relativity The Higgs boson discovery highlights that entity also referred to as the God Particle which controls roving particles of energy to become the building blocks of the atom by forming the neutrons electrons protons and other components of the atoms which collect to become everything in existence Our first impulse tends to be that all of this is too difficult to understand but it's not While scientists now confess bewilderment at what they are discovering they confirm that it is all true This book assembles and provides to the average reader these mindboggling discoveries in a manner that allows them to come to know and understand the process of creation of all things including

humans This pursuit was undertaken by the author acting as investigator and examiner of the evidence presented by scientists This leads the reader to a conclusion as to whether or not the apparent instructions imbedded into the Higgs boson particle and the atoms it creates along with all matter coming into existence are the products of intelligent design or on the other hand occur by accident Big Bang Readers are informed and highly enlightened regarding the components and workings of the universe Earth and human origins Quantum Gods Victor J. Stenger, 2009-09-25 Stenger alternates his discussions of popular spirituality with a survey of what the findings of 20th century physics actually mean in laypersons terms without equations THE MAGNIFICENCE OF THE 3 Timeout A. Taumua, 2023-10-05 Greetings The THE MAGNIFICENCE OF THE 3 title was extracted from a quote attributed to the legendary NIKOLA TESLA stating that If you only knew the magnificence of the 3 6 and 9 then you would have the key to the universe The magnificence of the three as I claim was a reference to the atom s three particles Yes I found the ATOM in the Torah If you know then you know the implications As I followed its tracts to the New Testament God revealed to me the identities of the Tree of Knowledge Tree of Life Garden of Eden and the Ark of the Testimony along the way Scientists define their design and purposes without understanding and inadvertently reveal God s hidden treasures Come review the record for yourself and for your elders before they move on You will never fully know God until you know what this Garden is and its Trees God s design is a thing of beauty and it cannot be accessed with faith So enjoy and meet God the Scientist Creator of Heaven and Earth Cinema and Its Discontents Zachariah Rush, 2016-05-26 The ultimate aim of drama is to expose the soul of Character Dramatists achieve this objective by employing a specific type of conflict known as dialectic a concept woven throughout Western thinking and from Homer to 21st century cinema the basis of all dramatic characters This study details the history of dialectical thought from Plato to Jung before turning its focus to the development of character in a century of filmmaking From Chaplin s Tramp to Taxi Driver s Travis Bickle it examines more than two dozen cinematic characters governed by dialectic torn between life and death opposing desires moralities and wills their sense of self threatened by others *A Marriage of Philosophy and Music* Erich Welling, 2014-04 How to use philosophy and music to open your horizons and enjoy being yourself put theory to work and help you experience personal growth is discussed in A Marriage of Philosophy and Music It is all about after After having a liberal education you are comfortable in modern culture and after further education and becoming a specialist in some field you enjoy using your skills We learn the ideas and methods of many social cultures and our own chosen specialty but we often neglect the liberal art of disciplining and enjoying the ideas and methods of our own individuality This book offers a path toward the education of privacy with the key words being selection design and beauty The book relates five areas of general human interest spirituality philosophy science art and body awareness The interrelation is accomplished by using personal patterns of experience that are available from philosophy and music Because of the plurality of subject matters and methods used in philosophy and music their patterns of discipline are comparable to self discipline A Marriage of Philosophy and Music

attempts to create a path in this direction because besides the enjoyment of social culture and personal skills there is enjoyment in being yourself which is a neglected liberal art

Science in Theology Neil Messer, 2020-06-25 If we wish to understand ourselves and the world in relation to God what contribution to our understanding should we expect from a Christian tradition with its roots in the Bible and what should we expect from the natural sciences Neil Messer sets out five types of answer to that question The responses range from the view that the Christian tradition has nothing to contribute through various forms of dialogue to the claim that science is irrelevant to theological understanding This classification scheme is illustrated and tested by extended explorations of three topics in the science and theology field how to think about God's action in the world how to make theological sense of the suffering and destruction involved in the evolution of life and how theology should respond to the scientific study of religion The classification offers a way to understand and evaluate these debates and the discussion of specific examples demonstrates the strengths and weaknesses of each type of approach The book concludes with suggestions for how readers might use this scheme to guide their own work on science and theology For students and researchers in science and theology this book offers three things a tool for understanding specific debates in science and theology critical surveys of some of the most important debates in the field and a concise guide to ways of setting up encounters of theology with science

The Oxford Handbook of Atheism Stephen Bullivant, Michael Ruse, 2013-11-21 Recent books by among others Sam Harris Richard Dawkins and Christopher Hitchens have thrust atheism firmly into the popular media and academic spotlight This so called New Atheism is arguably the most striking development in western socio religious culture of the past decade or more As such it has spurred fertile and often heated discussions both within and between a diverse range of disciplines Yet atheism and the New Atheism are by no means co extensive Interesting though it indeed is the New Atheism is a single historically and culturally specific manifestation of positive atheism the that there is are no God's which is itself but one form of a far deeper broader and more significant global phenomenon The Oxford Handbook of Atheism is a pioneering edited volume exploring atheism understood in the broad sense of an absence of belief in the existence of a God or gods in all the richness and diversity of its historical and contemporary expressions Bringing together an international team of established and emerging scholars it probes the varied manifestations and implications of unbelief from an array of disciplinary perspectives philosophy history sociology anthropology demography psychology natural sciences gender and sexuality studies literary criticism film studies musicology and in a range of global contexts Western Europe North America post communist Europe the Islamic world Japan India Both surveying and synthesizing previous work and presenting the major fruits of innovative recent research the handbook is set to be a landmark text for the study of atheism

The New Atheism Victor J. Stenger, 2009-12-04 In recent years a number of bestselling books have forcefully argued that belief in God can no longer be defended on rational or empirical grounds and that the scientific worldview has rendered obsolete the traditional beliefs held by Christianity Judaism and Islam The authors of these books Richard Dawkins

Daniel Dennett Sam Harris Christopher Hitchens and Victor J Stenger have come to be known as the New Atheists Predictably their works have been controversial and attracted a good deal of critical reaction In this new book Victor J Stenger whose *God The Failed Hypothesis* was on the New York Times bestseller list in 2007 reviews and expands upon the principles of New Atheism and answers many of its critics He demonstrates in detail that naturalism the view that all of reality is reducible to matter and nothing else is sufficient to explain everything we observe in the universe from the most distant galaxies to the inner workings of the brain that result in the phenomenon of mind Stenger disputes the claim of many critics that the question of whether God exists is beyond the ken of science On the contrary he argues that absence of evidence for God is indeed evidence of absence when the evidence should be there and is not Turning from scientific to historical evidence Stenger then points out the many examples of evil perpetrated in the name of religion He also notes that the Bible which is still taken to be divine revelation by millions fails as a basis for morality and is unable to account for the problem of unnecessary suffering throughout the world Finally he discusses the teachings of ancient nontheist sages such as Buddha Lao Tzu and Confucius whose guidelines for coping with the problems of life and death did not depend upon a supernatural metaphysics Stenger argues that this way of nature is far superior to the traditional supernatural monotheisms which history shows can lead to a host of evils The New Atheism is a well argued defense of the atheist position and a strong rebuttal of its critics [Wonderpedia of NeoPopRealism Journal, In the News 2011-2013](#) Nadia Russ,2015-08-07

Dictionary of Christianity and Science Zondervan,2017-04-25 The definitive reference work on science and Christian belief How does Christian theology relate to scientific inquiry What are the competing philosophies of science and do they work with a Christian faith based on the Bible No reference work has covered this terrain sufficiently until now Featuring entries from over 140 international contributors the Dictionary of Christianity and Science is a deeply researched peer reviewed fair minded work that illuminates the intersection of science and Christian belief In one volume you get reliable summaries and critical analyses of over 450 relevant concepts theories terms movements individuals and debates You will find answers to your toughest questions about faith and science from the existence of Adam and Eve to the age of the earth evolution and string theory FEATURES INCLUDE Over 450 entries that will help you think through some of today s most challenging scientific topics including climate change evolution bioethics and much more Essays from over 140 leading international scholars including Francis Beckwith Michael Behe Darrell Bock William Lane Craig Hugh Ross Craig Keener Davis Young John Walton and many more Multiple view essays on controversial topics allow you to understand and compare differing Christian viewpoints Learn about flesh and blood figures who have shaped the interaction of science and religion Augustine Aquinas Bacon Darwin and Stephen Hawking are just the beginning Fully cross referenced entries include references and recommendations for further reading Advance Praise Every Christian studying science will want a copy within arm s reach Scot McKnight Northern Seminary This is an invaluable resource that belongs in every Christian s library I will

be keeping my copy close by when I m writing Lee Strobel Elizabeth and John Gibson chair of apologetics Houston Baptist University Sparkles with passion controversy and diverse perspectives Karl Giberson professor of science and religion Stonehill College An impressive resource that presents a broad range of topics from a broad tent of evangelical scholars Michael R Licona Houston Baptist University I am certain that this dictionary will serve the church for many years in leading many to demonstrate that modern science can glorify our Creator and honor his creation Denis O Lamoureux University of Alberta Dictionary is too humble a label for what this is I anticipate that this will offer valuable guidance for Christian faithfulness C John Collins Covenant Theological Seminary Get answers to the difficult questions surround faith and science Adam and Eve the Age of the Earth Climate Change Evolution Fossil Record Genesis Flood Miracles Cosmology Big Bang theory Bioethics Darwinism Death Extraterrestrial Life Multiverse String theory and much much more **How to Live a Good Life** Massimo Pigliucci, Skye Cleary, Daniel Kaufman, 2020-01-07 A collection of essays by fifteen philosophers presenting a thoughtful introductory guide to choosing a philosophy for living an examined and meaningful life Socrates famously said the unexamined life is not worth living but what does it mean to truly live philosophically This thought provoking wide ranging collection brings together essays by fifteen leading philosophers reflecting on what it means to live according to a philosophy of life From Eastern philosophies Daoism Confucianism and Buddhism and classical Western philosophies such as Aristotelianism and Stoicism to the four major religions as well as contemporary philosophies such as existentialism and effective altruism each contributor offers a lively personal account of how they find meaning in the practice of their chosen philosophical tradition Together the pieces in How to Live a Good Life provide not only a beginner s guide to choosing a life philosophy but also a timely portrait of what it means to live an examined life in the twenty first century A VINTAGE ORIGINAL Where Wisdom May Be Found Edward P. Meadors, 2019-08-29 All Christian colleges and universities hail the integration of faith and learning as a premier mission objective There is less agreement as to what the integration of faith and learning should look like in pedagogical and cross disciplinary terms This volume proposes that faith and learning are interrelated from the start Discovery of truth within the academic disciplines cultivates discipline specific wisdom that both accords with all reality and complements the whole counsel of God Where Wisdom May Be Found brings together a faculty of twenty seven accomplished voices from across curricula to celebrate each field s capacity for revealing wisdom from all corners of God s creative design In synthesis these voices declare the depth and richness of the wisdom and knowledge of God for the educational advancement and holistic equipping of the corporate people of God *Not by Design* Victor J. Stenger, 2010-10-05 Much of the world seems chaotic and unpredictable but the regular movement of celestial bodies and certain demonstrable physical phenomena seem to indicate the existence of a world that is basically orderly This orderliness is often taken as evidence for an intelligence beyond our experience a creator responsible for the first moment in time and all ensuing infinite patterns of the universe Yet the science of the origin of the universe is still highly speculative

and incomplete How did the universe begin According to Professor Victor J Stenger the simplest hypothesis so far is that it began by accident Stenger insists that the existence of order does not necessarily imply that it is the result of design Nothing currently known about the universe he writes requires that its structure was somehow imposed upon it from the outside The universe is complex but the laws of nature are simple in fact the universe may have originated because of a series of spontaneous random events The book begins with a discussion of the meaning of order and examples of orderly patterns generated by chance Play enough poker hands Stenger writes and one day you will be dealt four aces Subsequent chapters introduce readers to the unique perspective of the universe provided by physics with historical and philosophical material intertwined with a systematic but nontechnical presentation of basic physics This leads to a description of the basic structure of the universe and the way in which symmetries of space time and inner dimensions account for the laws obeyed by particles The origin of the universe is then described as a chance event with space time matter and the laws of nature the result of a spontaneous process of symmetry breaking Focusing on the question of planned versus unplanned origin Stenger shows that the issue is not philosophical but scientific and that order can and does happen every day by chance

The Paradox of God and the Science of Omniscience Clifford A. Pickover, 2004-04-03 Playful and profound bizarre and brilliant Pickover blends science fiction with science religion and philosophy in a unique and user friendly manner *The Fallacy of*

Fine-Tuning Victor J. Stenger, 2011-04-15 A number of authors have noted that if some physical parameters were slightly changed the universe could no longer support life as we know it This implies that life depends sensitively on the physics of our universe Does this fine tuning of the universe suggest that a creator god intentionally calibrated the initial conditions of the universe such that life on earth and the evolution of humanity would eventually emerge In his in depth and highly accessible discussion of this fascinating and controversial topic the author looks at the evidence and comes to the opposite conclusion He finds that the observations of science and our naked senses not only show no evidence for God they provide evidence beyond a reasonable doubt that God does not exist *The Ghost in the Universe* Taner Edis, 2009-12-02

Emphasizing the results of natural science physicist Taner Edis takes a fresh look at an age old question Is there a God or a spiritual reality beyond nature

Unveiling the Power of Verbal Art: An Emotional Sojourn through **God And The Atom Victor J Stenger**

In some sort of inundated with monitors and the cacophony of instant communication, the profound power and emotional resonance of verbal beauty frequently fade into obscurity, eclipsed by the regular onslaught of sound and distractions. Yet, situated within the lyrical pages of **God And The Atom Victor J Stenger**, a charming work of literary beauty that impulses with organic thoughts, lies an memorable trip waiting to be embarked upon. Composed by a virtuoso wordsmith, that interesting opus instructions visitors on a mental odyssey, lightly exposing the latent potential and profound affect embedded within the intricate web of language. Within the heart-wrenching expanse with this evocative examination, we can embark upon an introspective exploration of the book is main themes, dissect their captivating publishing model, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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