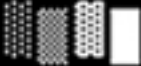


LUMINOUS

Art Book

A Portrait Collection
of Brilliant Minds
in ANSi Art

Luciano Ayres

BLOCK

TRONICS

Introduction

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This art book is a portrait collection of remarkable scientists that have contributed significantly to the evolution of humanity through their inspiring work.

My goal was to mix my admiration for science and my passion for digital art. In the end, it became an 8-bit art tribute to the legacy of those brilliant minds.

All portraits were created by myself in ANSi art format, a retro digital art that was used as graphical interface for Bulletin Board Systems, computer servers where users could connect using a terminal program and a modem on the pre-internet days.

About the Author

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Luciano Ayres is a brazilian software engineer and co-founder of Blocktronics, a digital text mode art collective composed by 70+ artists from all around the world.

You can find out more about his artworks on:

<http://blocktronics.org>



About ANSi Art

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ANSi artworks are created with specific text mode art editor programs as Pablodraw, a modern editor compared to the oldschool TheDraw and ACiDDraw.

It has a typical character set composed of blocks and half blocks, placed on the canvas through keyboard function keys.



The 8-bit color pallete is limited to 16 foreground and 08 background colors.



¹⁶ ...To walk safely through the maze of human life,
¹⁷ one needs the light of wisdom and the guidance of virtue.

- Buddha



Aristotle
384 BC - 322 BC



Aristotle

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Aristotle was an ancient Greek philosopher and scientist born in the city of Stagira, Chalkidice, on the northern periphery of Classical Greece.

His writings cover many subjects, including physics, biology, zoology, metaphysics, logic, ethics, aesthetics, poetry, theater, music, rhetoric, linguistics, politics, government and constitute the first comprehensive system of Western philosophy.

Famous Quote

We are what we repeatedly do. Excellence, then, is not an act, but a habit.

Archimedes
287 BC - 212 BC



Archimedes

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Archimedes of Syracuse was a Greek mathematician, physicist, engineer, inventor, and astronomer. Although few details of his life are known, he is regarded as one of the leading scientists in classical antiquity.

Generally considered the greatest mathematician of antiquity and one of the greatest of all time, Archimedes anticipated modern calculus and analysis by applying concepts of infinitesimals and the method of exhaustion to derive and rigorously prove a range of geometrical theorems.

Famous Quote

Eureka! - I have found it!



Leonardo da Vinci
1452 – 1519

Leonardo da Vinci

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Leonardo da Vinci was an Italian polymath whose areas of interest included invention, painting, sculpting, architecture, science, music, mathematics, engineering, literature, anatomy, geology, astronomy, botany, writing, history, and cartography.

He has been variously called the father of palaeontology, ichnology, and architecture, and is widely considered one of the greatest painters of all time.

Famous Quote

Simplicity is the ultimate sophistication.



Nicolaus Copernicus
1473 – 1543

Nicolaus Copernicus

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Nicolaus Copernicus was a Renaissance mathematician and astronomer who formulated a model of the universe that placed the Sun rather than the Earth at the center of the universe, likely independently of Aristarchus of Samos, who had formulated such a model some eighteen centuries earlier.

The publication of Copernicus' model in his book *De revolutionibus orbium coelestium* (On the Revolutions of the Celestial Spheres) was a major event in the history of science.

Famous Quote

Of all things visible, the highest is the heaven of the fixed stars.



Galileo Galilei
1564 – 1642

Galileo Galilei

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Galileo Galilei was an Italian polymath: astronomer, physicist, engineer, philosopher, and mathematician, he played a major role in the scientific revolution of the seventeenth century.

He has been called the father of observational astronomy, the father of modern physics, the father of scientific method, and the father of science.

Famous Quote

You cannot teach a man anything; you can only help him find it within himself.



Johannes Kepler
1571 – 1630

Johannes Kepler

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Johannes Kepler was a German mathematician, astronomer, and astrologer. A key figure in the 17th century scientific revolution, he is best known for his laws of planetary motion, based on his works *Astronomia nova*, *Harmonices Mundi*, and *Epitome of Copernican Astronomy*.

These works also provided one of the foundations for Isaac Newton's theory of universal gravitation.

Famous Quote

I much prefer the sharpest criticism of a single intelligent man to the thoughtless approval of the masses.



Isaac Newton
1643 – 1727



Isaac Newton

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Sir Isaac Newton was an English mathematician, astronomer, and physicist who is widely recognised as one of the most influential scientists of all time and a key figure in the scientific revolution.

His book *Philosophiæ Naturalis Principia Mathematica* (Mathematical Principles of Natural Philosophy), first published in 1687, laid the foundations of classical mechanics.

Famous Quote

If I have seen further than others, it is by standing upon the shoulders of giants.

Michael Faraday
1791 – 1867



Michael Faraday

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Michael Faraday was an English scientist who contributed to the study of electromagnetism and electrochemistry. His main discoveries include the principles underlying electromagnetic induction, diamagnetism and electrolysis.

It was by his research on the magnetic field around a conductor carrying a direct current that Faraday established the basis for the concept of the electromagnetic field in physics.

Famous Quote

Nothing is too wonderful to be true, if it be consistent with the laws of nature.



Charles Darwin
1809 – 1882

Charles Darwin

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Charles Darwin was an English biologist, naturalist and geologist, best known for his contributions to the science of evolution.

He established that all species of life have descended over time from common ancestors, and in a joint publication with Alfred Russel Wallace introduced his scientific theory that this branching pattern of evolution resulted from a process that he called natural selection.

Famous Quote

It is not the strongest of the species that survive, nor the most intelligent, but the one most responsive to change.

Louis Pasteur
1822 – 1895



Louis Pasteur

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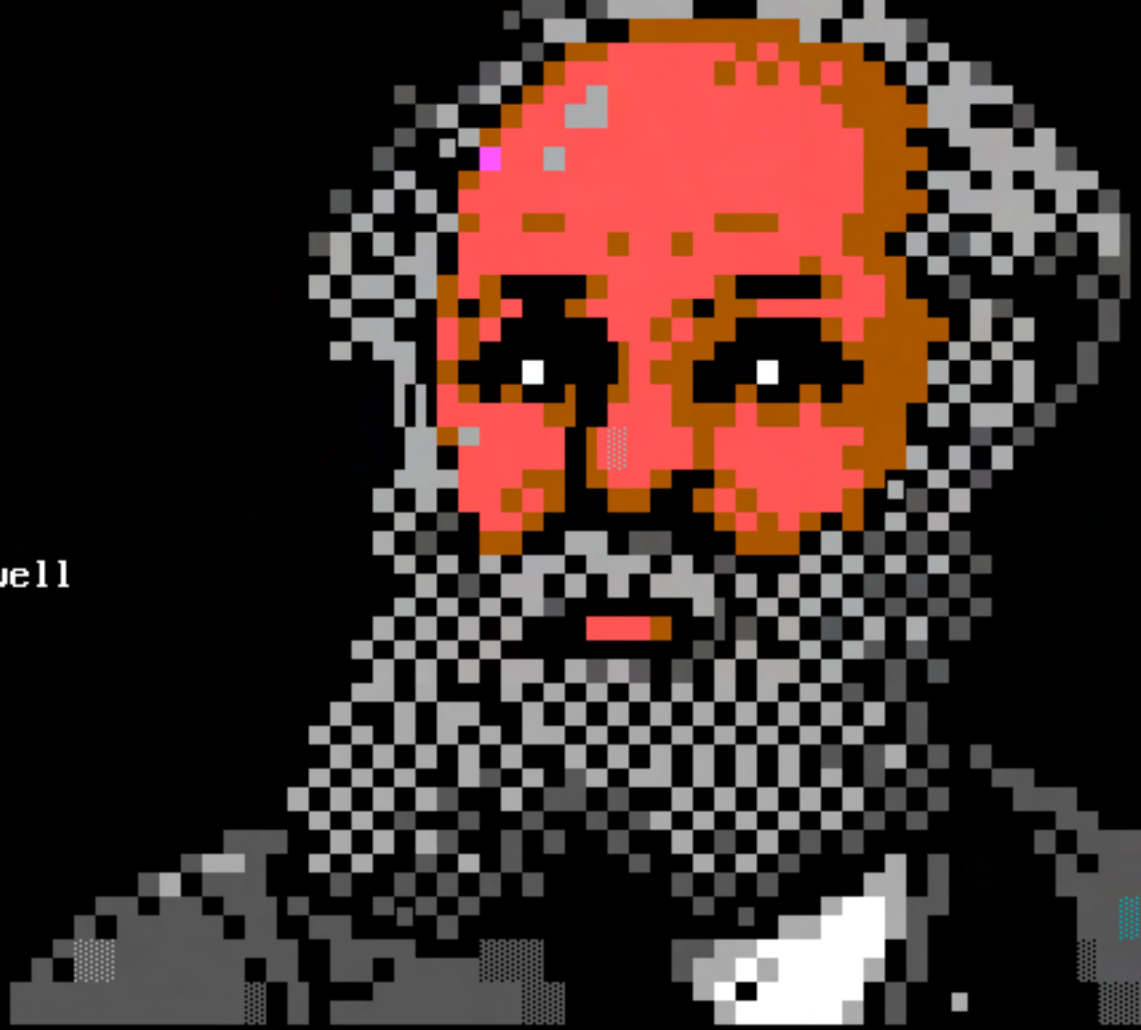
Louis Pasteur was a French biologist microbiologist and chemist renowned for his discoveries of the principles of vaccination, microbial fermentation and pasteurization.

He is remembered for his remarkable breakthroughs in the causes and prevention of diseases, and his discoveries have saved countless lives ever since. He reduced mortality from puerperal fever, and created the first vaccines for rabies and anthrax.

Famous Quote

In the fields of observation chance favors only the prepared mind.

James Clerk Maxwell
1831 – 1879



James Clerk Maxwell

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James Clerk Maxwell was a Scottish scientist in the field of mathematical physics. His most notable achievement was to formulate the classical theory of electromagnetic radiation, bringing together for the first time electricity, magnetism, and light as manifestations of the same phenomenon.

Maxwell's equations for electromagnetism have been called the second great unification in physics after the first one realised by Isaac Newton.

Famous Quote

I have the capacity of being more wicked than any example man could set me.



Thomas Edison
1847 – 1931



Thomas Edison

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Thomas Edison was an American inventor and businessman, who has been described as America's greatest inventor.

He developed many devices that greatly influenced life around the world, including the phonograph, the motion picture camera, and the long-lasting, practical electric light bulb.

Famous Quote

Genius is one percent inspiration and ninety-nine percent perspiration.



Alexander Graham Bell
1847 – 1922

Alexander Graham Bell

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Alexander Graham Bell was a Scottish-born scientist, inventor, engineer, and innovator who is credited with patenting the first practical telephone.

Both his mother and wife were deaf, profoundly influencing Bell's life's work. His research on hearing and speech further led him to experiment with hearing devices which eventually culminated in Bell being awarded the first U.S. patent for the telephone in 1876.

Famous Quote

Before anything else, preparation is the key to success.

Nikola Tesla
1856 – 1943



Nikola Tesla

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Nikola Tesla was a Serbian-American inventor, electrical engineer, mechanical engineer, physicist, and futurist who is best known for his contributions to the design of the modern alternating current electricity supply system.

Tesla became well known as an inventor and would demonstrate his achievements to celebrities and wealthy patrons at his lab, and was noted for his showmanship at public lectures.

Famous Quote

The scientists of today think deeply instead of clearly. One must be sane to think clearly, but one can think deeply and be quite insane.



Max Planck
1858 – 1947

Max Planck

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Max Planck was a German theoretical physicist whose work on quantum theory won him the Nobel Prize in Physics in 1918.

Planck made many contributions to theoretical physics, but his fame as a physicist rests primarily on his role as an originator of quantum theory, which revolutionized human understanding of atomic and subatomic processes.

Famous Quote

Science cannot solve the ultimate mystery of nature. And that is because, in the last analysis, we ourselves are a part of the mystery that we are trying to solve.



Marie Curie
1867 – 1934

Marie Curie

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Marie Curie was a Polish and naturalized-French physicist and chemist who conducted pioneering research on radioactivity. She was the first woman to win a Nobel Prize, the first person and only woman to win twice, the only person to win a Nobel Prize in two different sciences, and was part of the Curie family legacy of five Nobel Prizes.

Famous Quote

Be less curious about people and more curious about ideas.



Albert Einstein
1879 – 1955

Albert Einstein

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Albert Einstein was a German-born theoretical physicist. He developed the general theory of relativity, one of the two pillars of modern physics (alongside quantum mechanics).

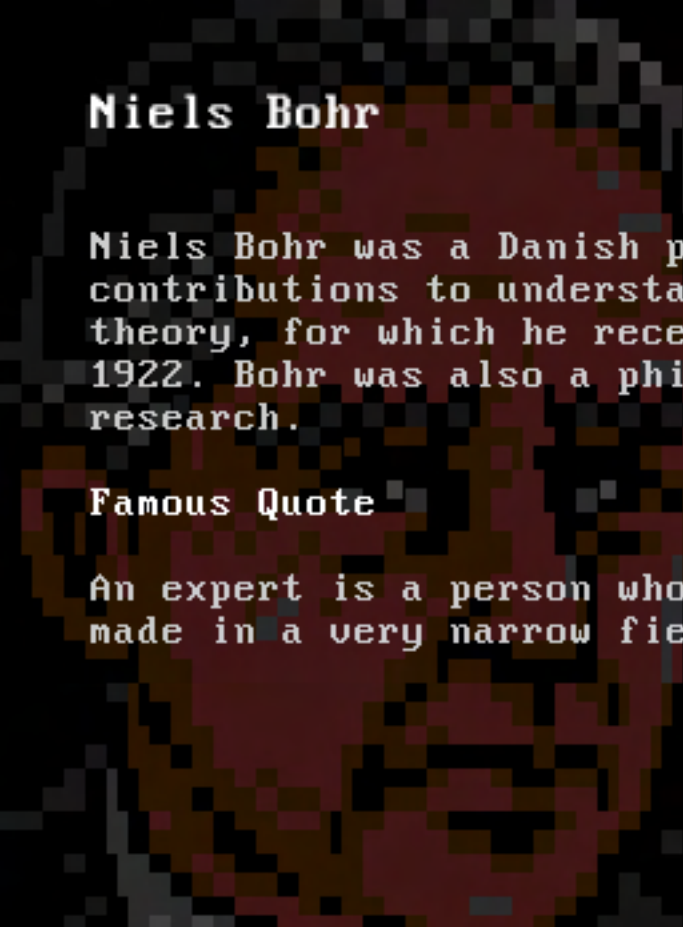
Einstein's work is also known for its influence on the philosophy of science. Einstein is best known in popular culture for his mass-energy equivalence formula $E = mc^2$. He received the 1921 Nobel Prize in Physics.

Famous Quote

Two things are infinite: the universe and human stupidity; and I am not sure about the universe.



Niels Bohr
1885 – 1962



Niels Bohr

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Niels Bohr was a Danish physicist who made foundational contributions to understanding atomic structure and quantum theory, for which he received the Nobel Prize in Physics in 1922. Bohr was also a philosopher and a promoter of scientific research.

Famous Quote

An expert is a person who has made all the mistakes that can be made in a very narrow field.



Richard Feynman
1918 – 1988

Richard Feynman

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Richard Feynman was an American theoretical physicist known for his work in the path integral formulation of quantum mechanics, the theory of quantum electrodynamics, and the physics of the superfluidity of supercooled liquid helium, as well as in particle physics for which he proposed the parton model.

For his contributions to the development of quantum electrodynamics, Feynman, jointly with other researchers, received the Nobel Prize in Physics in 1965.

Famous Quote

The first principle is that you must not fool yourself and you are the easiest person to fool.



Stephen Hawking
b. 1942

Stephen Hawking

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Stephen Hawking is an English theoretical physicist, cosmologist, author and Director of Research at the Centre for Theoretical Cosmology within the University of Cambridge.

His scientific works include a collaboration with Roger Penrose on gravitational singularity theorems in the framework of general relativity and the theoretical prediction that black holes emit radiation, often called Hawking radiation.

Famous Quote

However difficult life may seem, there is always something you can do and succeed at.

Credits & Sources

Luciano Ayres

Book Project, Cover and Illustrations

Joshua Hillyard

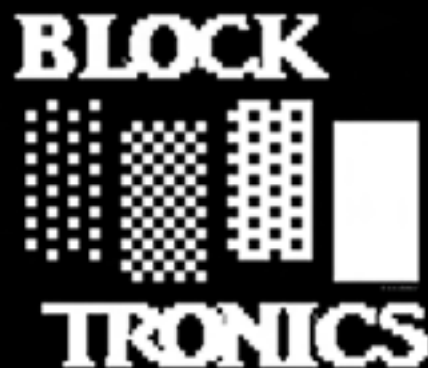
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Scientists' Biographies from Wikipedia

Scientists' Quotes from Brainy Quote

First Edition


Published on February, 2017





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