

Ada Lovelace

England, 1815-1852

Early Life

Born Augusta Ada Byron in 1815, Ada Lovelace was the child of the famous British poet Lord Byron.

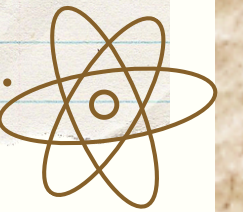


Education

Lady Byron, her mother, pushed her into a rigorous education in math and science, subjects unusual for women at the time, leading to her early talent for logic and machines, including a childhood fascination with flight.

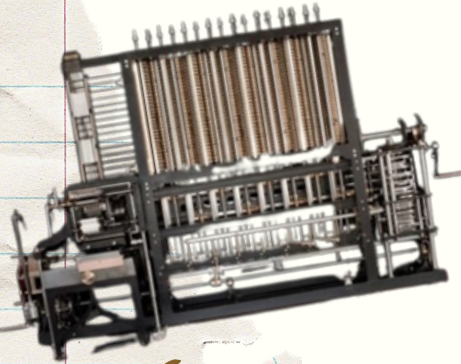


$$V = \frac{4}{3} \pi r^3$$



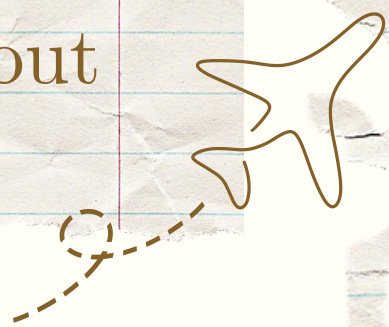
Contributions

Ada Lovelace recognized that computers could do more than just crunch numbers, visualizing them as all-purpose machines which could create music, text, and more! She was the first computer programmer, writing the first algorithm for Charles Babbage's Analytical Engine, a method for calculating Bernoulli numbers.



Fun Facts!

At a young age, she designed a model of a flying machine because she loved birds and wanted to fly. Her ideas were so ahead of her time that her notes were only fully recognized about 100 years later!



Adversity

Lovelace had to deal with stereotypes as a woman in a male-dominated field in the 19th century, and her contributions were frequently shadowed by those of her partner, Charles Babbage.

Illnesses including acute measles at age 13 that caused temporary paralysis and mental challenges like severe anxiety hampered her studies and life...but she persevered!