Coulomb's Law

Newton's Second Law

Planck's Formula

Newton's Law of Gravitation

**Einstein's** Energy Mass Equivalence

De Broglie's Wavelength

Faraday's Law

Rydberg's Formula

Photoelectric Effect

## Snell's Law

## Time Dilation Formula

## Wave Equation

## Maxwell's Equations



In unifying electricity and magnetism mathematically, James Clark Maxwell came up with twenty equations. However it was English mathematician and physicist, **Oliver Heaviside who rewrote** Maxwell's equations in the form of just four equations commonly used today.

'The only desire which I can have is like King David to serve my own generation by the will of God, and then fall asleep'. When Einstein was asked if he stood on the shoulders of Newton, he replied 'No, on the shoulders of Maxwell'.

He gave Maxwell's photo pride of place in his study.



Mileva Marić was a Serbian physicist and mathematician and the first wife of Albert Einstein from 1903 to 1919.

She was the only woman among Einstein's fellow students at Zürich Polytechnic and was the second woman to finish a full program of study at the

Department of Mathematics and Physics.

There is debate about whether Marić and Einstein were collaborators in developing his scientific ideas but she was clearly a capable woman and this was what first attracted Einstein to her.

When Einstein won the Nobel Prize for Physics in 1921, he gave the prize money to her to help care for their children.

Behind every great man...

Diffraction Formula