Abstract

We know that the square of a real number is always non-negative

e.g. = 16 and = 16. Therefore, square root of 16 is . What about the square root of a negative number? It is clear that a negative number cannot have a real square root. So, we need to extend the system of real numbers to a .system in which we can find out the square roots of negative numbers

Euler (1707- 1783) was the first mathematician who introduce the symbol .i (iota) for positive square root of -1 i.e

.In our work, we studied some properties of this system of numbers