NEW QUADRATIC FORMULA

Suaib Lateef

Abstract: I present a new quadratic formula. It should however be known that this formula is not as effective as the original formula as this new formula is incomplete but it goes a long way as far as the condition that the modulus of the two roots not equal is satisfied.

THE FORMULA

If

$ax^2 + bx + c = 0$: $|x_1| \neq |x_2|$ (where $|x_1|$, $|x_2|$ are the roots)

Then

$$x = \frac{1}{a}\left(-b + \sqrt{\frac{(b^2 - 2ac) \pm b\sqrt{b^2 - 4ac}}{2}} \right)$$