Review of: "From Complex to Real Numbers: A Reverse Detour for Solving Polynomial Equations Using Complex Numbers"

Xiangjian Xu

Potential competing interests: No potential competing interests to declare.

This paper provides a novel perspective on solving polynomial equations. It proposed a new method of using complex arithmetic to solve equations that may ultimately be expressed in real form. This method demonstrated that even if the final solution is a real number, it can be computed and simplified through complex arithmetic. The article discussed the methods of using complex arithmetic to solve quadratic, cubic, and quartic equations, and illustrated their application through examples.