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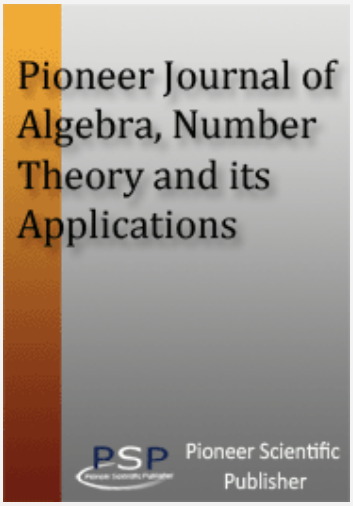

AN ALGEBRAIC PROOF OF FERMAT'S LAST THEOREM

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Abstract

In 1995, A. Wiles announced, using cyclic groups, a proof of Fermat's Last Theorem, which is stated as follows: If π is an odd prime and x, y, z are relatively prime positive integers, then $z^{\pi} \neq x^{\pi} + y^{\pi}$. In this note, a proof of this theorem is offered, using elementary Algebra. It is proved that if π is an odd prime and x, y, z are positive integers satisfying $z^{\pi} = x^{\pi} + y^{\pi}$, then x, y and z are each divisible by π.

Keywords and phrases: Fermat.