## A method of finding an integral solution to $\mathrm{x} 3+\mathrm{y} 3=\mathrm{kz} 4$


#### Abstract

In this article, we proved that an integral solution ( $a, b, c$ ) to the equation $x 3+y 3$ 田化 4 is of  where $k$ divides $a 3+b 3$ and $r$ is a common factor of $a$ and $b$.


Keyword: Integral solution

