## A method of finding an integral solution to x3 + y3 = kz4

## ABSTRACT

In this article, we proved that an integral solution (a, b, c) to the equation x3+y3=kz4 is of the form a=rs, b=rt for any two integers s, t and c=(r3u/d3)1/4 for some u with (k,r)=d where k divides a3+b3 and r is a common factor of a and b.

**Keyword:** Integral solution