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Date: 8/07/2013

Subject: Dear Sir.

Dear Sir

.Mr.Lovasz Peter
Teacher College,MDLSchool gr2 at Theoretical Group College
He had said about my solution that:

Is remarkable !
Good day , and pleasure of math structure !
Peter

And Professor Andrew Beckwith
physics researcher/affiliated with Chongqing University, PRC
He had said that:
"Interesting. This should be sent to journal. I can work with you to find one for you to

" I have discovered a truly marvelous demonstration of this proposition that this margin is too narrow to contain."

"Eureka!"
Object and strategy:
Using the transformation for equation ($Z^n = X^n + Y^n$) becomes four equations which has uniform form as:
 $F^2(X) = \text{Sum of integers cube} + (X/Z)^{(n-3)} * X^3 + (Y/Z)^{(n-3)} * Y^3$.
To find an absurdity.

Define the function $F(Z) = Z(Z+1)/2$.

Any integers .Z,X ,Y and a.
 $Z^3 = F^2(Z) - F^2(a) - [(a+1)^3 + (a+2)^3 + \dots + (Z-1)^3]$
Example:
Z=4 and a=1.
 $4^3 = 10^2 - 1^2 - (2^3 + 3^3) = 100 - 1 - 35 = 64$.

Suppose:
 $Z^3 = X^3 + Y^3$.

Meaning four uniform equations:
First equation:
 $F^2(Z) - F^2(5) - [6^3 + 7^3 + \dots + (Z-1)^3] = F^2(X) - F^2(4) - [5^3 + 6^3 + \dots + (X-1)^3] + F^2(Y) - F^2(3) - [4^3 + 5^3 + \dots + (Y-1)^3]$

Because:
 $F^2(Z) - F^2(Y) = [(Y+1)^3 + (Y+2) + \dots + Z^3]$
So
 $F^2(X) + F^2(5) - F^2(4) - F^2(3) = [5^3 + 6^3 + \dots + (X-1)^3] + [4^3 + 5^3 + \dots + (Y-1)^3 - [6^3 + 7^3 + \dots + (Z-1)^3] + [(Y+1)^3 + (Y+2)^3 + \dots + Z^3]$

$F^2(X) + 225 - 100 - 36 = \text{Sum of integers cube}$.

$F^2(x) + 89 = \text{Sum of integers cube}$.

$$F^2(X)+3^3+2^3=\text{Sum of integers cube .}$$

$$F^2(X)=\text{Sum of integers cube named A.}$$

Second equation:

$$F^2(Z)-F^2(5)-[6^3+7^3+\dots+(Z-1)^3] = F^2(X)-F^2(4)-[5^3+6^3+\dots+(X-1)^3]+F^2(Y)-F^2(2)-[3^3+4^3+\dots+(Y-1)^3]$$

$$F^2(X)+6^3-2^3=\text{Sum of integers cube .}$$

$$F^2(X)=\text{Sum of integers cube named B.}$$

Third equation:

$$F^2(Z)-F^2(5)-[6^3+7^3+\dots+(Z-1)^3] = F^2(X)-F^2(3)-[4^3+5^3+\dots+(X-1)^3]+F^2(Y)-F^2(2)-[3^3+4^3+\dots+(Y-1)^3]$$

$$F^2(X)+4^3-2^3=\text{Sum of integers cube .}$$

$$F^2(X)=\text{Sum of integers cube named C.}$$

Fourth equation:

$$F^2(Z)-F^2(4)-[5^3+6^3+\dots+(Z-1)^3] = F^2(X)-F^2(3)-[4^3+5^3+\dots+(X-1)^3]+F^2(Y)-F^2(2)-[3^3+4^3+\dots+(Y-1)^3]$$

$$F^2(X)+5^3-2^3=\text{Sum of integers cube .}$$

$$F^2(X)=\text{Sum of integers cube named D.}$$

Example:

$$3^2=1^3+2^3.$$

So

no exists other equation as:

$$(3^2=a^3+b^3) \text{ with } 3, (a \text{ no}=1) \text{ and } (b \text{ no}=2)$$

So

X integer is impossible in all four equations.

So

Z,X and Y are not integers

So:

$$Z^3 \text{ No } =X^3+Y^3$$

Similar arguments:

Suppose:

$$Z^n =X^n+Y^n.$$

So

$$Z^{(n-3)}*Z^3 =X^{(n-3)}*X^3+Y^{(n-3)}*Y^3.$$

$$Z^3-(X^3+Y^3) =(X/Z)^{(n-3)}*X^3 +(Y/Z)^{(n-3)}*Y^3 - (X^3+Y^3).$$

Meaning four uniform equations:

$$F^2(X)=\text{First sum of integers cube } +(X/Z)^{(n-3)}*X^3 +(Y/Z)^{(n-3)}*Y^3.$$

$$F^2(X)=\text{Second sum of integers cube } +(X/Z)^{(n-3)}*X^3 +(Y/Z)^{(n-3)}*Y^3 .$$

$F^2(X) = \text{Third sum of integers cube} + (X/Z)^{(n-3)} \cdot X^3 + (Y/Z)^{(n-3)} \cdot Y^3.$
 $F^2(X) = \text{Fourth sum of integers cube} + (X/Z)^{(n-3)} \cdot X^3 + (Y/Z)^{(n-3)} \cdot Y^3 .$

Example:

$$3^2 = (6^3)/2 - (2^3 + 4^3 + 3^3).$$

So

no exists other equation as:

$$[3^2 = 6^3/2 - (a^3 + b^3 + c^3)] \text{ with } 3, 6^3/2, (a \text{ no}=2), (b \text{ no}=4) \text{ and } (c \text{ no}=3).$$

So

X is impossible integer in all four equations..

So

Z, X and Y are not integers

So

$$Z^n \text{ No} = X^n + Y^n.$$

ISHTAR.