数学学报 1937 2 (2): 205-208 ISSN: 0583-1431 CN: 11-1914/R

NOTE ON THE DIOPHANTINE EQUATION

柯召

National Szechuan University

收稿日期 修回日期 网络版发布日期 接受日期

摘要 <正> Dr.Erd(?)s conjectured that the Diophantine equation(1)x~x y~y=z~zhas no integer solution, if,x>1,y>1.z>1.In the present note, I shall prove that his conjecture is correct ouly (?)(x,y)=1 and(1)has intinitely many solutions when (x,y)>1.

关键词

分类号

NOTE ON THE DIOPHANTINE EQUATION

HAO ,KO

National Szechuan University

Abstract <正> Dr.Erd(?)s conjectured that the Diophantine equation(1)x~x y~y=z~zhas no integer solution, if,x>1,y>1.z>1.In the present note, I shall prove that his conjecture is correct ouly (?)(x,y)=1 and(1)has intinitely many solutions when (x,y)>1.

Key words

DOI:

通讯作者