MathsJam 2011

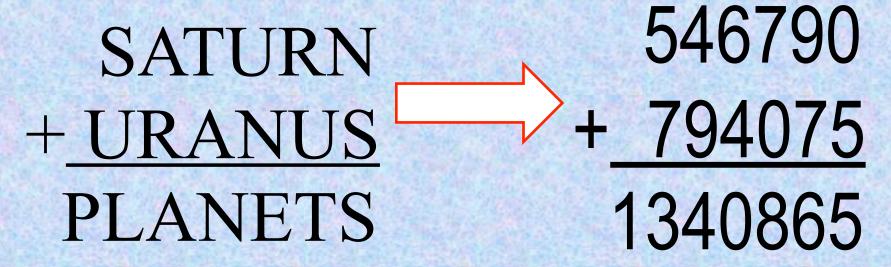
Cryptarithmetic Puzzles

By

YUEN NG

SATURN + URANUS PLANETS

SATURN 546790 + URANUS + 794075 PLANETS 1340865



Each letter, where it appears, stands for the same digit

Each digit is represented by only one letter

There should exist a unique solution

CAN PUZZLES BE MAKE FROM THE NAMES OF THE DELEGATES TO MATHSJAM 2011?

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Limitations

- LENGTH OF FORENAME AND SURNAME MUST DIFFER BY AT MOST ONE LETTER
- NO MORE THAN 10 DIFFERENT LETTERS
- EACH PROBLEM MUST HAS A UNIQUE SOLUTION

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Of the 122 delegates booked on 4th November 2011, I found 38 puzzles with some assumptions about gender and spelling of forenames – here are some of my favourites.

SUZANNE₊ MCENDOO

SUZANNE MCENDOO CASCADES

7523009+6190488=13713497

SANDRA DUFFY

SANDRA DUFFY

QUARKS

382708+74119=456827

SAMUEL HANSEN

SAMUEL HANSEN ANGLES

183294+687197=870491

JAMES GRIMES

JAMES GRIMES CAESAR

81306+429306=510612

CAROL JONES

CAROL JONES COSINE

15807+90436=106243

PHILIP₊ CHAFFE

PHILIP₊ CHAFFE SPECIAL

275652+973884=1249536

SIMON₊ SINGH

SIMON₊ SINGH

AXIOMS

79824+79463=159287

COLIN₊ WRIGHT

COLIN+WRIGHT THRILL

61325+742908=804233

