

### diophantine geometry pdf

The square root of 5 is the positive real number that, when multiplied by itself, gives the prime number 5. It is more precisely called the principal square root of 5, to distinguish it from the negative number with the same property.

### Square root of 5 - Wikipedia

Problem Solving via the AMC Chapter 1 Diophantine Equations Diophantine equations are named after the prominent Greek mathematician Diophantus of Alexandria (c. 275) who published three

### PROBLEM SOLVING VIA THE AMC - amtt.com.au

Diophantine Equation--3rd Powers. As a part of the study of Waring's problem, it is known that every positive integer is a sum of no more than 9 positive cubes ( $\sum_{i=1}^9 i^3 = 2025$ ), that every "sufficiently large" integer is a sum of no more than 7 positive cubes ( $\sum_{i=1}^7 i^3 = 147$ ; although it is not known if 7 can be reduced), and that every integer is a sum of at most 5 signed cubes ( $\sum_{i=1}^5 i^3 = 155$ ; although it is not known if 5 can be reduced to 4).

### Diophantine Equation--3rd Powers -- from Wolfram MathWorld

Diophantus of Alexandria (Ancient Greek: Διοφάντης ὁ Ἀλεξανδρεὺς,  $\delta\acute{\iota}\phi\alpha\acute{\nu}\tau\eta\varsigma$ ; born probably sometime between AD 201 and 215; died around 84 years old, probably sometime between AD 285 and 299) was an Alexandrian Hellenistic mathematician, who was the author of a series of books called Arithmetica, many of which are now lost.

### Diophantus - Wikipedia

Various Number Theorists' Home Pages/Departmental listings Complete listing [ A | B | C | D | E | F | G | H | I | J | K | L | M ] [ N | O | P | Q | R | S | T | U | V ...

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