

I U P U I
MATH CLUB TEASER #54

November 19, 2010
(due December 3, 2010)

SOLUTION

The smallest fractions that solve the problem are

$$\frac{17}{21} \quad , \quad \frac{37}{21}.$$

$$\left(\frac{17}{21}\right)^3 + \left(\frac{37}{21}\right)^3 = \frac{55566}{9261} = 6.$$

There are many other solutions.

SOLVED BY:

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