

Re: Goldbach and Levy conjectures

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- *From:* "Nathan" <ntspam2@xxxxxxxxxxxxxx>
 - *Date:* 19 Aug 2005 07:52:33 -0700
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Timothy Murphy wrote:

- > Slightly OT, but talking of Goldbach,
- > am I right in thinking that Vinogradov proved that
- > every odd number $n \geq 7$ is the sum of 3 primes?

No. He did prove this for all sufficiently large odd numbers, but I don't think he even found an explicit bound. Others have, but the number is much much larger than 7.

- > If I am right, why do we not hear more about Vinogradov's Theorem?
- > Why is sci.math not filled with 1-page proofs?

I understand that the proof requires large amounts of machinery from complex analysis.

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- *Follow-Ups:*
 - ◆ **[Re: Goldbach and Levy conjectures](#)**
 - ◇ *From:* Timothy Murphy

- *References:*
 - ◆ **[Re: Goldbach and Levy conjectures](#)**
 - ◇ *From:* Nameless
 - ◆ **[Re: Goldbach and Levy conjectures](#)**
 - ◇ *From:* Gerry Myerson
 - ◆ **[Re: Goldbach and Levy conjectures](#)**
 - ◇ *From:* Timothy Murphy

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