

MAGYAR TUDOMÁNYOS AKADÉMIA
MATEMATIKAI KUTATÓ INTÉZETE
Budapest, V., Reáltanoda u.13-15.
Postai cím: Budapest 1376 Pf.428
Telefon: 182-875
Sürgőnycim: MATEMATIKA, BUDAPEST

Dear Mr Chung (1989 I 12)

Congratulations for your capture, I hope you will know freedom under the gentle tutelage of your lion, but remember that a captured slave \neq is no longer a subject but an object.

Dear Fan

Congratulations for having fulfilled the aim of *ProLife*
I wish you happiness + many joint papers + ϵ - δ (if you want any)

Kind regards + lots of luck to both of you all
never

E. P.

I expect to be in Japan in 10 days and in the U.S. early in February will phone as soon as I get there. It is not yet clear when the ~~the~~ Amer-Hungarian meeting will take place. Let $a_1 < a_2 < \dots$ be an infinite sequence of integers. Denote by $f(m)$ the number of solutions of $m = a_i + a_j$. An old conjecture of Turán and myself stated that if $f(m) > 0$ for all $m > m_0$ then $\limsup f(m) = \infty$. Vera + Sárközy + I thought about problems like: Assume $f(m) < C$ is it then true that for inf many m $f(m) = 0$ and $f(m) = 1$ both occur infinitely often? Other values of $f(m)$ certainly do not have to occur inf often.

Also: Assume $|f(m)| = c$ and let \mathcal{G} be the set of integers for which $f(m) > 0$ and \mathcal{G}'_A is the set of integers for which $f(m) = 1$. Is it true that \mathcal{G} is always contained in the union of finitely many sets \mathcal{G}'_A . Is it even true that to every \mathcal{G} there is a set A_1 for which $f(m) = 0$ or 1 (i.e. A is a Sidon set) and \mathcal{G} differs from \mathcal{G}_{A_1} by only a finite number of elements? ^{later*}

I am old & stupid by coworkers are only the ~~former~~ and we had no time to look at these problems carefully yet no pleasure if the problems are trivial or false.

Regards, an revoir

E.P.

Congratulations and best regards

Trivial solution! Congratulations
 András Sárközy

Vera protested

Vera

Greetings from Madras. We had a nice conference. Missed you. You must come for the next conference. Regards
Wintner