

Bratislava, January 25, 1988

Dear Professor Sun Zhi Wei,

Thank you very much for your kind letter. I am glad that you are so strongly interested in the topic of covering systems. Indeed, this is a very fascinating topic. I suppose that you know: a lot of people are working in this field. For example in Bratislava my former students Korec and Porubský. Have you the reprints of their papers? I could eventually send them to you. Especially Korec has some rather reasonable recent results.

Now, some of results mentioned on your paper are very nice. Namely your method for generating all DCS may be reasonable. Could not you find (using it) a n. and s. condition for naturals n_1, \dots, n_k to represent the moduli of some DCS? It would be a very interesting result!

Also the determination of all functions having that property is a nice fact; however I do not see how it could be used further.

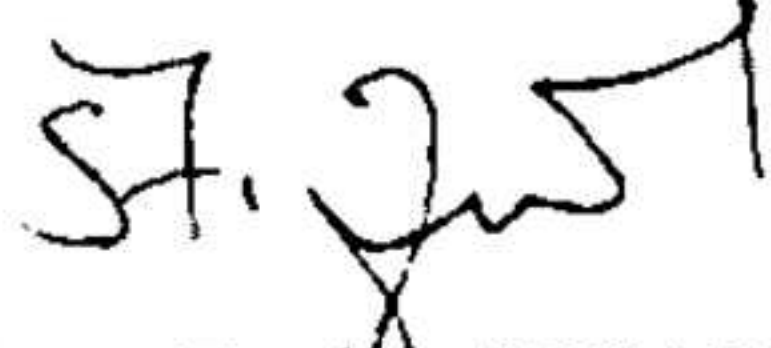
Concerning your results on covering of locally nilpotent groups, I have to mention that Fraenkel and his students solved the case of finite nilpotent groups. I suppose you know the majority of their results, but some of them are in print now.

If your improvement of Burshtein's result is better than theirs, you have to publish it soon.

Finally, your generalization of Zám-Newman result I do not consider interesting. In fact working on our joint paper with Novák (AMM 1974) we had some similar results.

It would be nice to meet you and speak on DCS. I am sure it would be a very fruitfull meeting. I hope, you will send me the reprints (or preprints) of your papers and inform me on your results.

Best regards


Štefan Zámečník, MFFUK,
84215 Bratislava,
Czechoslovakia

Bratislava, January 13th, 1989

Dear Professor Sun Zhi-Wei,

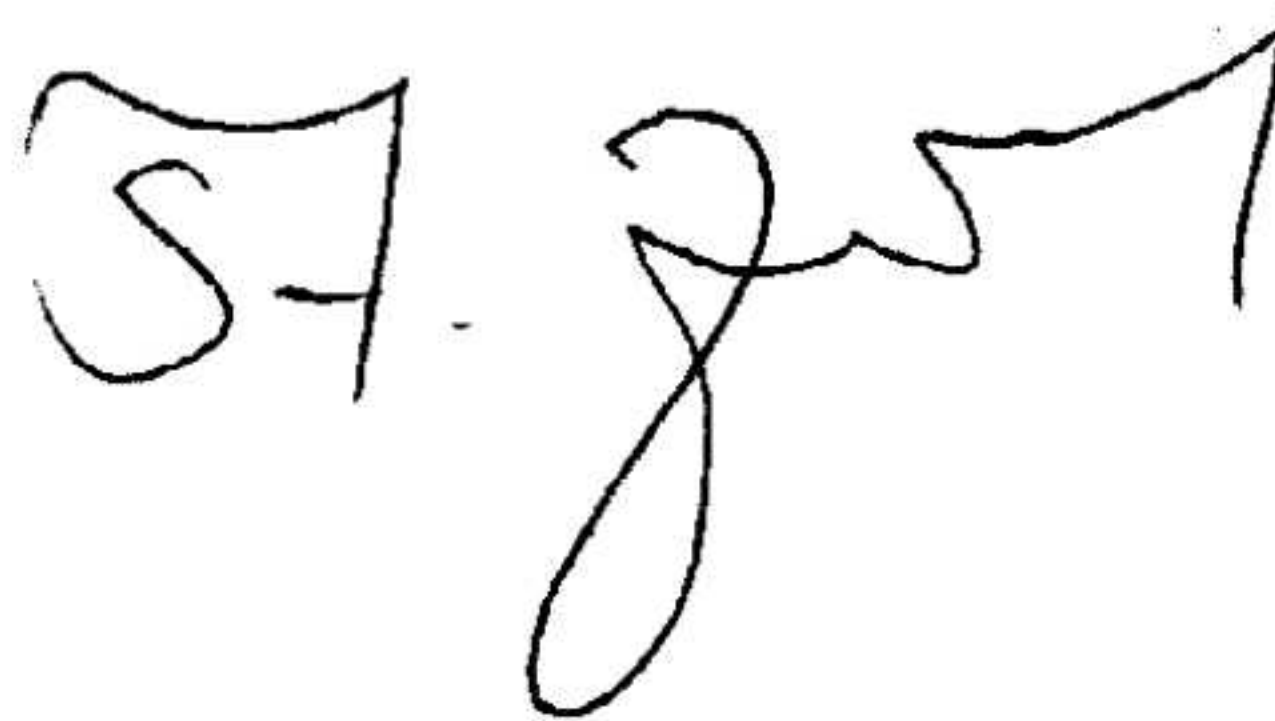
Enclosed find some reprints and preprints by Koree.
Porubsky in fact does not work in this field now, but I will
send you his previous papers soon.

I am very glad you are so successful in solving problems
concerning CS. Needless to say I am looking forward the reprints
of your papers.

I don't know anything concerning the question from your
letter (if such papers exist ... but I consider it a very
fascinating problem.

Have you my reprints on vector-covering systems? There are
a lot of interesting open questions in that field.

Best regards

A handwritten signature in black ink, appearing to be 'S. J. J.' with a stylized flourish at the end.

Bratislava, August 8th, 1989

Dear Sun Zhi-Wei,

Thank you very much for reprint and preprints of your interesting results. It is rather surprising that you observed so many new facts concerning DCS in a relative short time. You are good at it !

Best regards

Štefan Znám, 

KATČ MFF UK, 84215

Bratislava, Czechoslovakia