

July 25, 2007

Dear AIM Workshop Participant,

It's hard to believe it has been a month since we started our workshop together! Attached (and also on our website www.aimath.org/WWN/finiteliegps) please find an updated copy of the "open problem list" we created together during our workshop, now called "Problem and Discussion List". In this new version, we hope you will find a complete list of problems raised by you all for discussion during the workshop and for future consideration, as well as comments on the status of these problems relative to our workshop activities and the potential for future work on these problems.

Before we further refine this "Problem and Discussion List", we would appreciate feedback from you. If you were part of a discussion group on a particular problem, have we recorded your feedback accurately? If you proposed a particular problem or offered comments about its status, have we captured that well and truly? If, during the conference, you worked on a problem, do you have any new progress to report beyond that captured in the "Problem and Discussion List"? (Reporting progress on computing Schur algebras and on cohomological bounds can be excluded, as the organizers are already writing up the latest on this material.) For those of you less familiar with one or more of the topics proposed, is the nature and precision of the write-up sufficient to frame the related questions as stated and to serve as a starting point for delving deeper into that topic? For everyone, are there changes or additions of any sort you wish to see (modulo some incomplete references indicated)?

We would also welcome suggestions for further references. We would also highly value thoughts on which problems you feel should most definitely appear in a subsequent "Open Problem List" devoted strictly to open research problems. Please direct comments of any sort to Terrell at terrell.hodge@wmich.edu. Feedback received any time will be great, as we may potentially continue adding to this document for some time and/or wikifying it. However, responses within the next week or so, say by August 5th, will be sure to make our next version!

We would like to thank you again for your hard work and enthusiastic participation during the workshop. We will keep you posted on further developments, and appreciate hearing from you on the same.

With best wishes and hopes you are having a great summer,

The Organizers (Chris Bendel, Terrell Hodge, Brian Parshall, and Cornelius Pillen)