

Topics for Mathematics 4P11 Research Project (Fall 2011)

- G-sets and Group Actions.
- Sylow Theorems and Their Applications.
- Cayley Digraphs of Groups and Their Applications.
- Nilpotent Groups.
- Solvable Groups.

Note: The project is a survey type project and it should have 10-15 pages long (in addition to the GAP program if you have one). You and your partner need to choose a topic and to inform me your choice within a week after receiving this handout. Feel free to discuss with me any problems regarding your research project during my office hour.