

# “Group Theory International” Online Seminar

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***“Fancy divisibility in Group Theory”***

**Thursday, October 17, noon (New York Time)**

## **Abstract:**

This is not about Lagrange's or Sylow theorems. I shall present less known facts: for instance, the number of group elements whose squares lie in a given subgroup is always divisible by the order of this subgroup.

The talk is based on our (elementary) paper, joint with Anna Mkrtychyan, about the elementary theories of finite groups.

Next presentation: Oct 31, Svetla Vassileva (*Stevens Institute of Technology*)