

Morning Discussion: **The 19th Century**

Thursday, August 25, 2016

Algebraic Geometry has a deep and distinguished history that goes back hundreds of years. Combinatorics entered the scene a bit more recently.

Young scholars interested in algebraic geometry are strongly encouraged to familiarize themselves with the literature from the 19th century. Dig out papers from that period and *read them!!* Go for the original sources. Some are in English. Do not be afraid of languages like French, German, Italian.

Today we form groups. Each group will explore the life and work of one mathematician, with focus on what he has done in algebraic geometry. Identify one key paper written by that author. Then present your findings.

Here are some suggestions, listed alphabetically:

- Alexander von Brill
- Arthur Cayley
- Michel Chasles
- Luigi Cremona
- Georges Halphen
- Otto Hesse
- Ernst Kummer
- Max Noether
- Julius Plücker
- Bernhard Riemann
- Friedrich Schottky
- Hermann Schubert
- Hieronymus Zeuthen

Important Question: Why so many Germans and no females on Bernd's list?