Topics in modern geometry—Autumn 2017

Project allocations

Name	Project	POC
Nick Bell	Spec of a ring	Simon
Sam Brooks	Bézouts theorem	Matthew
Lewis Duffy	Projective plane geometry	Matthew
Merlin Haith Rowlatt	Projective closures	Matthew
Davy Ker	Hyperbolic geometry	Simon
Jonathan Long	The group law on non-singular cubics	Matthew
Bogdan Manghiuc	Prime factorization with elliptic curves	Matthew
Jacob Morhall	The Zariski topology	Simon
Declan Murphy	Gröbner bases for computation	Simon
Rachel Pengelly	Birational equivalence	Matthew
Guy Pugh	Localization	Simon