

Interesting Topological Spaces in Algebraic Geometry

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1 Ideas for Spaces

- Fake projective planes
- Conics
- Elliptic Curves
- Kahler Manifolds
- K3 Surfaces
- Del Pezzo surfaces
- Hurwitz schemes
- Topological galois groups, e.g. $G(\bar{F}/F)$ for $F = \mathbb{Q}, \mathbb{F}_p$.
- $\text{Spec}(R)$ for R a DVR (a Sierpinski space)
- Quiver Grassmannians
- Rigid analytic spaces

2 Part 2

I don't quite know yet.

3 Part 3

Some more stuff.

Here is some more

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