## Eine Woche, ein Beispiel 6.27 adèles and idèles

I would recommend this paper: https://people.math.umass.edu/~weston/oldpapers/idele.pdf.

After reading it, you may learn:

- The definition of two topology space adèles and idèles
- Basic properties of them (subspaces, canonical map...)
- Use this to prove the finiteness of the ideal class group and the generalized Dirichlet unit theorem

stronger Thu  $\supseteq A_k \supseteq A_k^x$ discrete

box

idèles  $J_k$  restricted direct product topology

product

product

trivial

This not continuous

Complex topo

Zaviski topo

trivial topo

canonical

smooth fppf fpqc

canonical

topo