

The abelian part of the Galois group of F_1 is already quite complicated. In the talk I proposed the possibility of tying up the different Galois groups of F_{1^n} over \mathbb{F}_1 (they are not yet known to me) as a simplicial object with a geometric realization, which should be closely related to S^1 . These ideas were motivated by the desire to regard the S^1 -action as the characteristic 0 version of the geometric Frobenius and the ordinary Lefschetz trace-formula for the fixed points as an analogue of the, characteristic 0, Grothendieck-Lefschetz trace formula.