

Arizona Winter School 2000

$$\begin{array}{ccccccc}
 & & X/F & & K = F(X) & & \\
 & & 0 & & 0 & & 0 \\
 & & \downarrow & & \downarrow & & \downarrow \\
 0 & \longrightarrow & \mathbf{F}^* & \longrightarrow & K^* & \longrightarrow & P \longrightarrow 0 \\
 & & \downarrow & & \downarrow & & \downarrow \\
 0 & \longrightarrow & U & \longrightarrow & \mathbf{A}_K^* & \longrightarrow & \text{Div}(X) \longrightarrow 0 \\
 & & \downarrow & & \downarrow & & \downarrow \\
 0 & \longrightarrow & Q & \longrightarrow & C_K & \longrightarrow & \text{Pic}(X) \longrightarrow 0 \\
 & & \downarrow & & \downarrow & & \downarrow \\
 & & 0 & & 0 & & 0
 \end{array}$$

<http://swc.math.arizona.edu/~swcenter/>

Topics in the Arithmetic of Function Fields

Curves with Many Points over Finite Fields

Elliptic Curves over Function Fields

L -Functions and Monodromy

Fermionic Fock Space for Number Theorists

Zeta-Functions and Symmetry

Industrial Mathematics

Anderson, Katz, Lagarias, Lauter,

Sarnak, Schoof, Ulmer, Zieve