1116-20-2652   **Marijo Sracic*** (`msracic@kent.edu`). *A Review of Thompson's Fixed-Point-Free Automorphism Theorem.*

In the early 1900s, Frobenius conjectured that if a group G admits a fixed-point-free automorphism ϕ, then G must be solvable. During the next half-century mathematicians struggled to find a completely group theoretic proof of Frobenius' Conjecture.

In this presentation, we will consider Thompson's group theoretic proof of the restricted Frobenius Conjecture:

Theorem: Let G be a group admitting a fixed-point-free automorphism of prime order. Then G is nilpotent. (Received September 22, 2015)