Kanako Oshiro* (oshirok@sophia.ac.jp). On quandles which give a non-trivial coloring for twist-spun trefoils.

Let $F_q$ be a finite field with $\text{char}(F_q) = p$ for a prime $p$. In this talk, I show some properties of a conjugation quandle obtained from $\text{SL}_2(F_q)$. Especially, the quandle gives a non-trivial coloring for the $p$-twist-spun trefoils. (Received February 24, 2015)