

- **Johne, Florian: Surgery for List flow on three-manifolds (205)**

List flow is an extended Ricci flow system. The motivation to study this system on three-manifolds is two-fold: There is a connection to static vacuum solutions in General Relativity and a connection to Ricci flow on four-manifolds with circle symmetry. We describe new a-priori estimates, which allow us to perform surgery in the spirit of Hamilton-Perelman. Moreover, we prove a finite time extinction result.