

Diplomarbeit „Electromagnetic track brake optimization“

Functional principle:

- Magnetic force generation due to a magnetic field acting between magnet and rail

Actual actuator design:

- Combination of materials with different magnetic properties
 - Regularization of a force increase with decreasing pole shoe height by the plate

Optimization goal:

- Magnetic force regularization without the plate

Contact:

Alice Reinbacher-Köstinger: alice.koestinger@tugraz.at

Philipp Seebacher: philipp.seebacher@knorr-bremse.com

