

Parameter Identification of Multiphase Machines (MPMs)

PhD student: Gustaf Falk Olson

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Objectives

- Utilize the particularities of MPMs to determine machine parameters both offline and online.
- Avoid torque ripple, automate, and reduce complexity.
- Approaches: data-driven identification techniques including output error, Bayesian estimators, and least-squares.

Funding and collaborations

- School of Electrical Engineering at KTH

Results so far

- Authoring: *Harmonic Plane Decomposition – An Extension of the Vector Space Decomposition – Part II* (Falk Olson et. al, IECON,'20)
- Co-authoring: *Harmonic Plane Decomposition – An Extension of the Vector Space Decomposition – Part I* (Wu et. al, IECON,'20)

