# DRAFT – Infinite Swapping in Bayesian Inverse Problems. – DRAFT

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#### Abstract

**Keywords:** Bayesian inversion; Parallel tempering; Measurement noise; Markov Chain Monte Carlo; uncertainty quantification.

MSC: 62F15, 62P30, 65M32, 60J22, 86A15, 35L53

- 1 Introduction
- 2 Bayesian inverse problems
- 3 Parallel Tempering and the infinite swapping limit
- 4 Numerical experiments

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