

## **The Software Package AntsInFields - Simulation and Bayesian**

### **Inference on Gibbs Fields**

AntsInFields is a software package for simulation and statistical inference on Gibbs fields. It is intended for mainly two purposes: To support teaching by demonstrating well known sampling- and estimating techniques and for assistance in research. AntsInFields will be distributed with the 2nd edition of G.Winkler's book "Image Analysis, Random Fields and Markov Chain Monte Carlo Methods" and is also available via <http://www.antsinfields.de/>.

I will give an overview of the current state of the art, the inner design and basic concepts of the software.

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