

# On the warring of ants: Modelling competitive ant colonization through random walks

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# 1 Introduction

## **2 Creating a model for colonization**

### **2.1 Problem description**

## **3 Results and conclusions**

## References

- [1] Tobias Ambjörnsson, *Lecture notes, Computational Physics*, Department of Astronomy and Theoretical Physics, Lund University, 2015.
- [2] A. Attanasi et al, *Collective Behaviour without Collective Order in Wild Swarms of Midges*, PLoS Computational Biology: 10(7), 2014.
- [3] D. Jin et al, *Ant Colony Optimization with a new Random Walk Model for Community Detection in Complex Networks*, Jilin University, 2013.

## A Code