Simulate Bug Algorithm

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***Abstract*—The abstract goes here.**
***Index Terms*—multi-robot systems, simulation, signal analysis, pheromones, insects**

I. Introduction

blah

II. Notes

This demo file is intended [1] to serve as demo. I wish you the best [2] of success. test test [3] ...

Building robots in hardware to test a swarm algorithm is possible, but expensive hardware

A hardware specific simulation of a single device exists, too: BLE Ant client sim

Using VM with router/device firmware and a network layout should be interessting: Network sim

Also:

1. Ein kleiner teil der Bienen (Scouts) sucht global nach "gärten"
2. Da Gärten, wo es viel "Futter" gibt ein großes Areal sind, kommen viele Scouts zum dance-floor zurück mit ähnlichen Koordinaten
3. normale Bienen folgen nun den Scouts und verbreiten sich im Areal (Nahsuche)
4. ein Teil fliegt als Scout weiter und sucht neue Gärten
5. durch die Nahsuche werden schlechte Regionen von den Bienen ausgeschlossen und bessere Regionen "gespeichert"
6. Biene, die bessere Region fand, wird neuer Scout und fiegt zum dance floor
7. Biene, die in der Region keine Verbesserung nach einer Weile fand, sucht neue Gärten

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III. Related Work

intro about solutions and our special new solution/idea. iter through related work with focus on different solutions. Why are some aspects open?

IV. Methods

Describe technique, structure and data collection of our solution.

V. Results

intro about selected data, getting them and how we analyse them

A. Definitions and Taxonomy

more details about focused parameter and an intro to different tests and aspects we focused in our work.

B. Aspect 1

Subsection text here.

C. Aspect 2

Subsection text here.

D. Discussion

intro, offer explanation and reference to literature

VI. Conclusion

The conclusion goes here.

Future Work: new open questions? how can we find answers in the future? How can we use our solutions in the future?

References

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