OpenBrain: Massiveley Asynchronous Neurocomputation

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Todo list

Abstract

The OpenBrain white paper.

Produce a 4-6 sentence abstract about the paper.

Note: Most of the sections for this document are included as submodules using the following command.

```
\input{section} %imports section.tex
```

The main file should not be modified, except to change the abstract, add new sections, or modify packages!

1 Introduction

Note: We need to motivate substantially the proposal of a drastically different framework of neurocomputation. This motivation should be given according to the latest neuroscience, and a general problem in the field.

Argue against the current state of ML's approach to the problem of AGI by surveying field.

1.1 Intelligence as an Emergence Phenomenon

Establish Conwaynian philosophy on emergent neurocomputation.

Motivate asynchrynous neurocomputation.

2 Asynchronous Neurocomputation

Note: This section will essentially lay out our model minus learning rules. This means we must give theoretical, biological justifications for the algorithm.

2.1 The Core Framework

2.2 Continuous Time Universal Intelligence Measure

2.3 Universal Approximation

2.4 (optional) Multiprocess Turing Completeness

If we decide to go down this route, we'll add it's own TEXfile.

3 Conwaynian Learning Rules

4 Experimentation

4.1 Implementation

4.2 Results

5 Conclusion

5.1 Future Work