

# Undergraduate that Published

## Machines that perform measurements

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Hypercomputation [3] is the study of models that can compute more than a Turing machine (a computer with unlimited memory). Some of these models, such as Siegelmann's ARNN neural net [4], draw their power from physical theories. The Smooth Scatter Machine, introduced in [2], as a successor to the Scatter Experiment [1], is one such model, where continuity restrictions are imposed in a physical experiment. These restrictions have an impact on what can be computed efficiently (in polynomial time), which is the topic of this talk.

## References

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