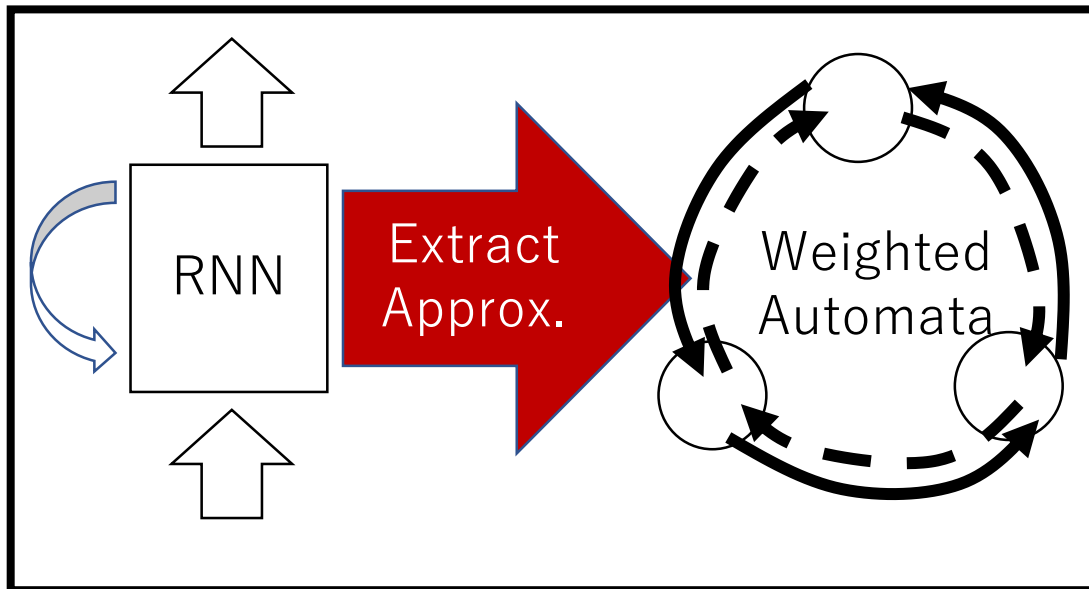


Weighted Automata Extraction from Recurrent Neural Networks via Regression on State Spaces

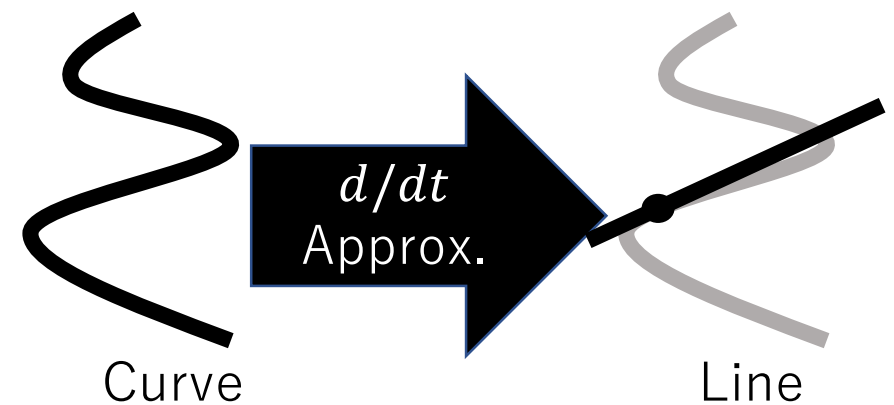


Takamasa Okudono, Masaki Waga, Taro Sekiyama, Ichiro Hasuo

We did



similar to



Weighted Automata Extraction from Recurrent Neural Networks via Regression on State Spaces



- (1) Extraction yields **interpretability!**
- (2) About 1300x **faster inference**
- (3) Our extraction by regression:
quick and accurate

