

# Research Review – AlphaGo

## 1. A brief summary of the paper's goals or techniques introduced

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### Goal

By using the new search algorithm that combines Monte Carlo simulation with value and policy networks and deep learning technique, AlphaGo is trained to easily win the game of Go, even facing top human experts.

### Techniques

- Monte Carlo Tree Search(MCTS)
- Supervised Learning(SL) Policy Network
- Reinforcement Learning(RL) Policy Network
- Value Network

## 2. A brief summary of the paper's results

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AlphaGo have achieved a 99.8% winning rate against other Go programs and defeated the human European Go champion by 5 games to 0.