## Use of Deep Spiking Neural Network for Object Recognition

Arslan Salikhov

Erik Caceros

Brandon Lam

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## Abstract

Use of Deep Neural Network, commonly referred to as deep learning spiked in recent years and has been used as a tool for impressive advancements in the field of Artificial Intelligence (AI) Spiking Neural Networks draw inspiration from the Purpose of this project is to demonstrate the capabilities of a Spiking Neural Network and compare it to a more conventional Object Recognition Deep Neural Network

## 1 Introduction

Hello

$$f(x) = \begin{cases} \frac{x^2 - x}{x}, & \text{if } x \ge 1\\ 0, & \text{otherwise} \end{cases}$$