## **Tokyo Institute of Technology**

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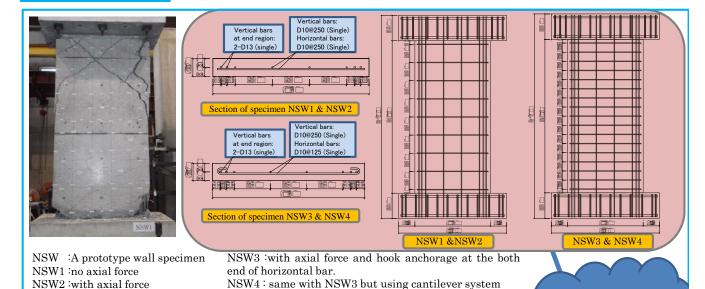
Jonny setiawan

## Introduction

In the 2011 Tohoku Earthquake, many reinforced concrete (RC) walls suffered severe damage. Some experimental studies were conducted for better understanding of lightly RC behavior. Experiment takes a lot of effort, cost, and time, hence analytical model is needed to predict the results easily.

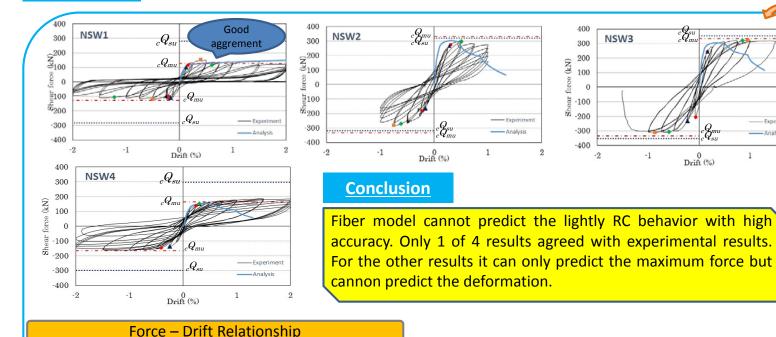
Analytical model also needs a precision with high accuracy. The aim of this study is to predict the behavior of reinforced concrete using fiber model

## **Specimen**



Analysis

## **Results**



Horizontal load is applied to get Force-Drift relationship

Section of NSW 1-4 was modeled using a fiber model

Modeled