

# COLE GROUP MEETING NOTES

May 15<sup>th</sup>, 2025

## Last week's Accomplishments

### - Reading

1. Safe Reinforcement Learning via Shielding
2. Reluplex: An efficient SMT solver for DNN  
↳ ACAS Xu → Autonomous collision avoidance

### - Research

1. We have an IZC predicament.

- a). I forgot what master/slaves are.
- b) BBB is a master, so is ARCADE chips  
- No work!
- c). One must become a slave.
  - i) Arduino intermediary
  - ii) BBB drivers?

2. Rust

- a) Learned expressions vs. statements  
args vs. params

b) Control Flow

3. NASA FM <sup>Loop</sup> Conference (10000? → \$400 given comp, \$300 hotel, \$300 per dinner)  
Pat, Luis, Myself

### - Class

1. I love NUCE 2122. Super fun class TAC is great

## This week's plan

- ↳ Keep Reading. Snowballing
- ↳ ~~to~~ Italy
- ↳ keep moving forward on IZC stuff
- ↳ Automatic controls?  
Saturation dynamics
- Send Don email about conference.
- Aerospace Village
- Car Hacking Village.