

# Course Project Presentation

Ian Mitchell

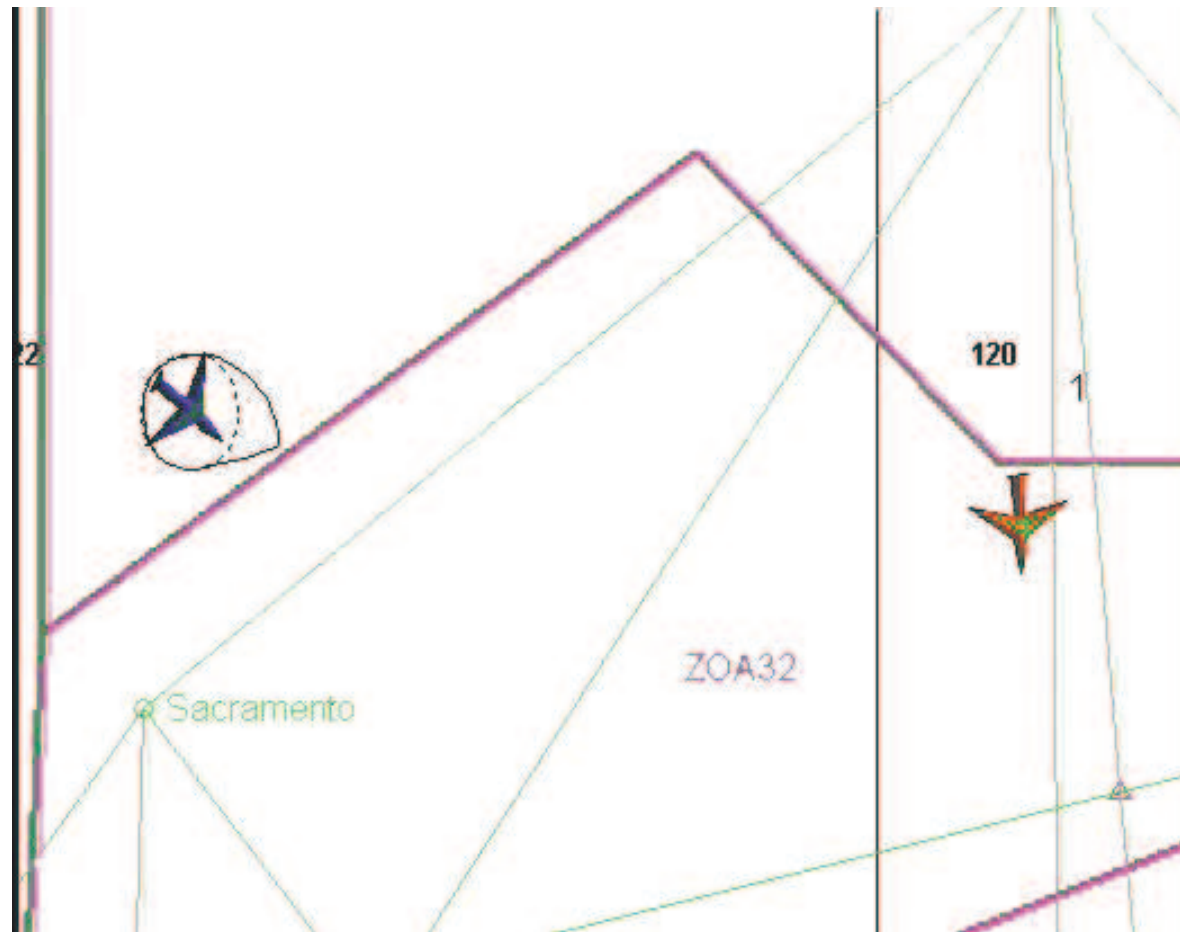
Department of Computer Science  
The University of British Columbia

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# Motivation

- Images, animation or short example to justify the audience's time

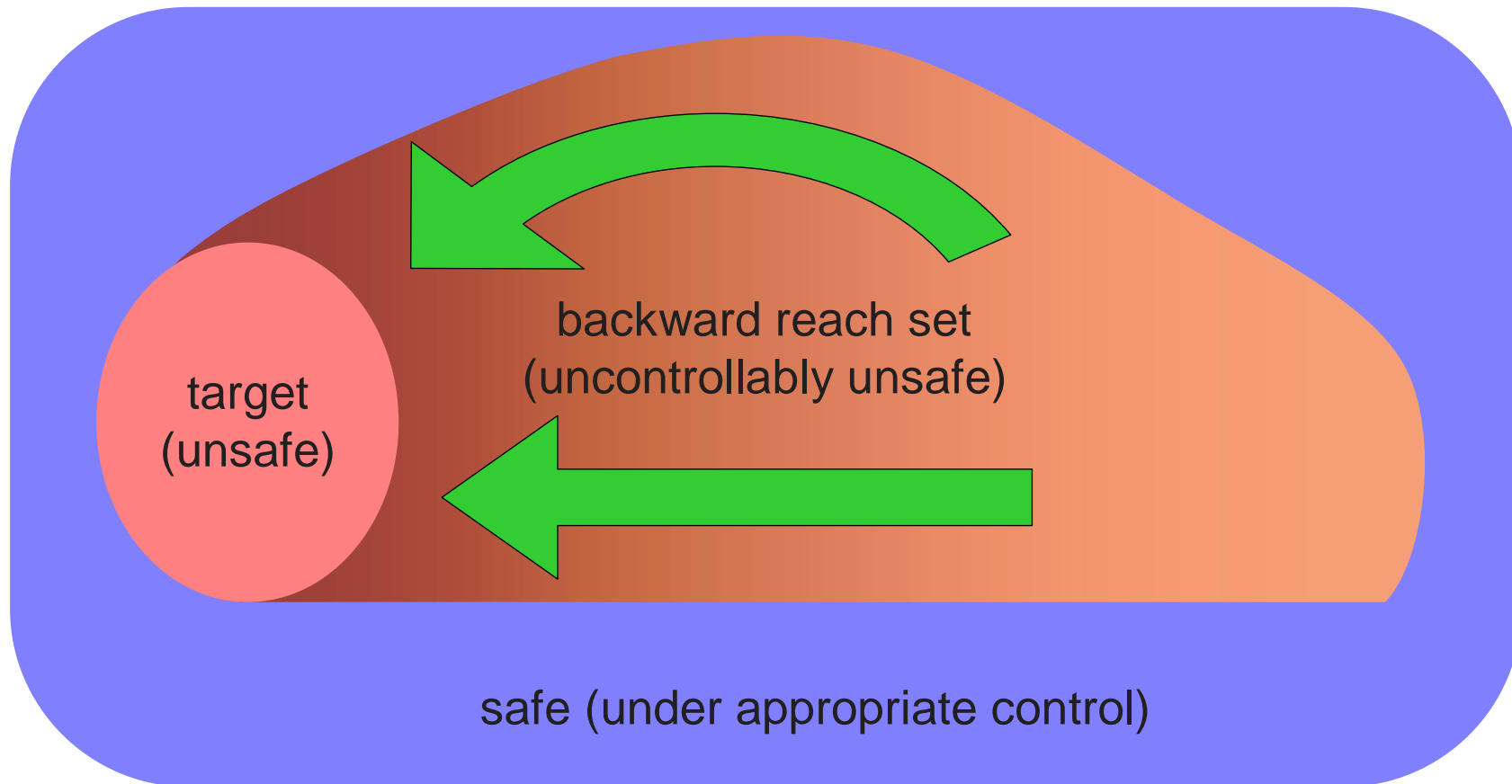


# Outline

- Problem description
  - Mathematical formulation
  - Proposed solution method
  - Analysis / related work
  - Examples
  - Conclusion and future work
- 
- Say what you are going to do
  - Summarize your outcome

# Problem Description

- Keep it high level, preferably with pictures and intuition



# Mathematical Formulation

- Show how the problem is modeled
- Specify assumptions, constraints and parameters
- Often need to explain how you will determine or judge solution(s)

# Proposed Solution

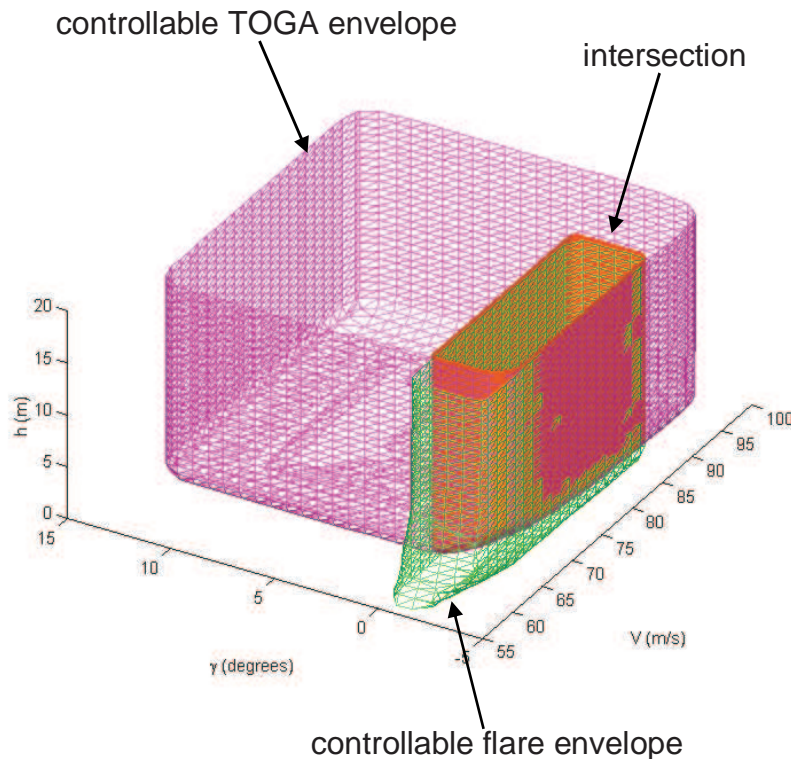
- Explain your proposed approach
- Generally the densest part of the talk
- Usually cannot include the details
- Depending on the type of talk, you may or may not want everything to be understandable

# Analysis / Related Work

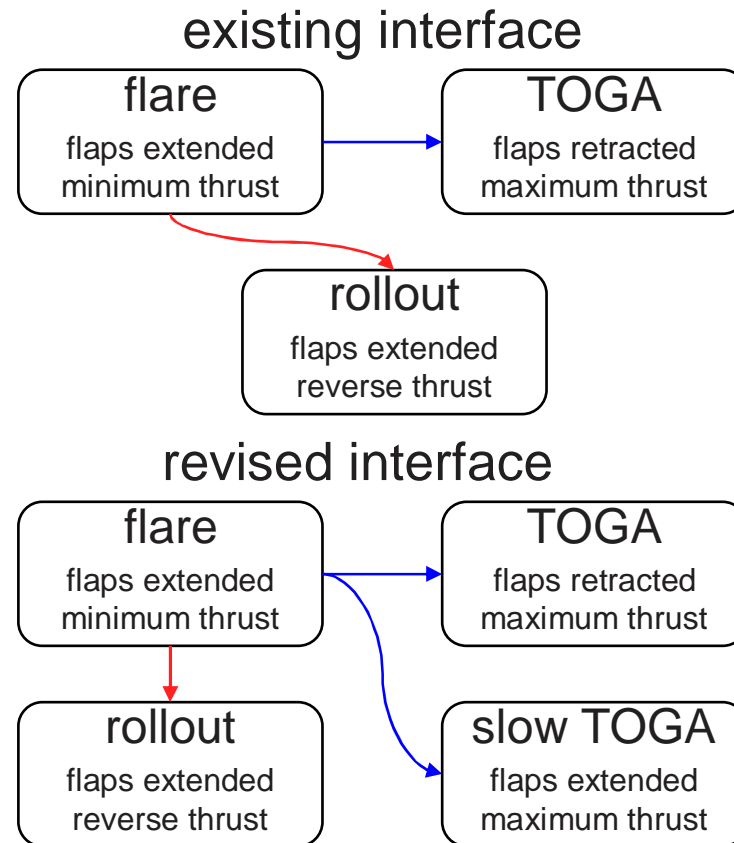
- How successful is your solution?
  - Convince the audience that you solved the problem you set out to solve
  - For the project presentations you will not have finished your work, so this section will explain how you intend to analyze your results once you have them
- Details depend on the research field
  - In some mathematical settings, this may just be a bunch of theorems (so see previous slide for comments)
  - In many practical or empirical settings, this will include a comparison of your solution with alternatives in the literature
- Cite everybody who might be in the audience

# Examples

- Demonstrate your results on relevant problems
- Lots of pictures, tables, figures, etc.



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# Conclusions & Future Work

- My method can solve the following problem, and it is better than what has come before because...
  - Summarize your outcome a third time
- In the future, I will extend it in the following ways...
  - For this project, you need to explain what you still intend to do before April 25
- Say what you just did