

# **SIGGRAPH Talk**

# **Outline**

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# Observation

- Quadrotors are incredibly capable!

# Problem in the World

- Cinematographers struggle to capture cinematography with quads!
- Current autonomous flight limits expressivity
- Manual flight is very difficult

# Our Goal / Proposed Solution

- Build an Tool that Enables Cinemaographers to Express and Autonomously Capture the full range of compelling aerial shots

# Challenge!

- *What's in our way?*
- Naive camera planning algorithms can express cinematography but makes no guarantees of accurate capture using quadrotors
- For example, it's easy to express a shot that goes too fast!

# Approach

- *How do we overcome this challenge to get to our goal?*
- Build a tool with visual and temporal shot planning that includes stronger guarantees of accurate capture, by adapting cinematography primitives to respect the physics of quadrotors

# Methods...

- What tools are we using in our approach?

# **Tool Demonstration**