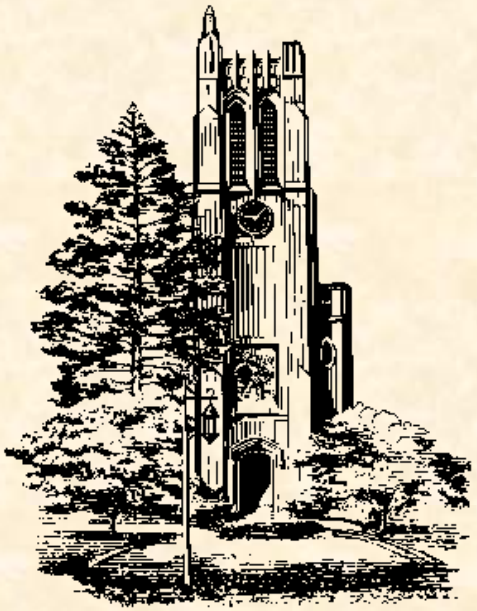
MICHIGAN STATE UNIVERSITY

Beta Demonstration
Synthetic Vision Display



Team 3 GE Aviation

CSE 498, Collaborative Design

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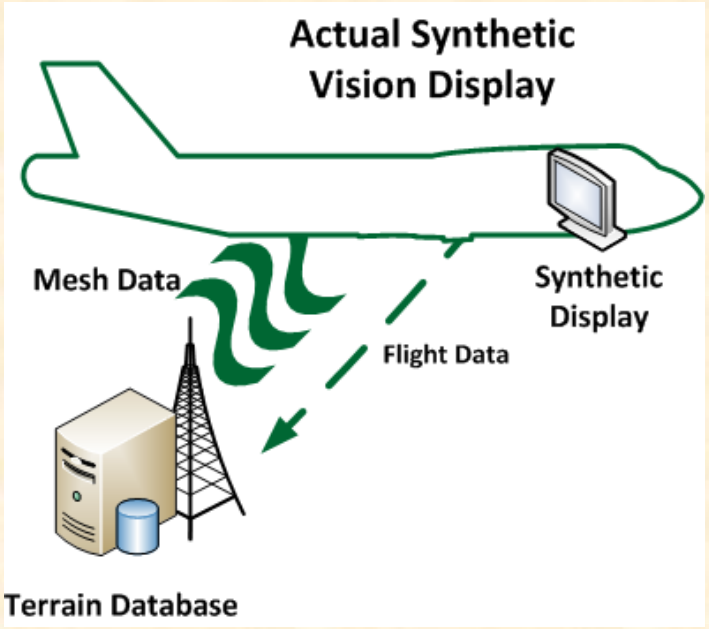
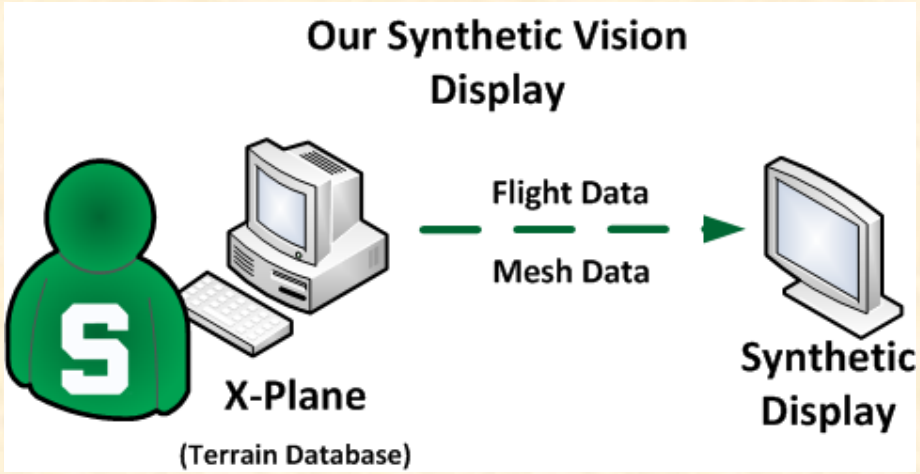
Project Overview

- Create a primary flight display using synthetic vision
- Allows for easier visualization of the terrain
- Features
  - Terrain database and flight data from X-Plane networked to display
  - Shading of terrain based on its height vs aircraft height
  - Flight tape with airspeed, elevation tape, and flight vector
  - Airports displayed separately for easier viewing

Architecture





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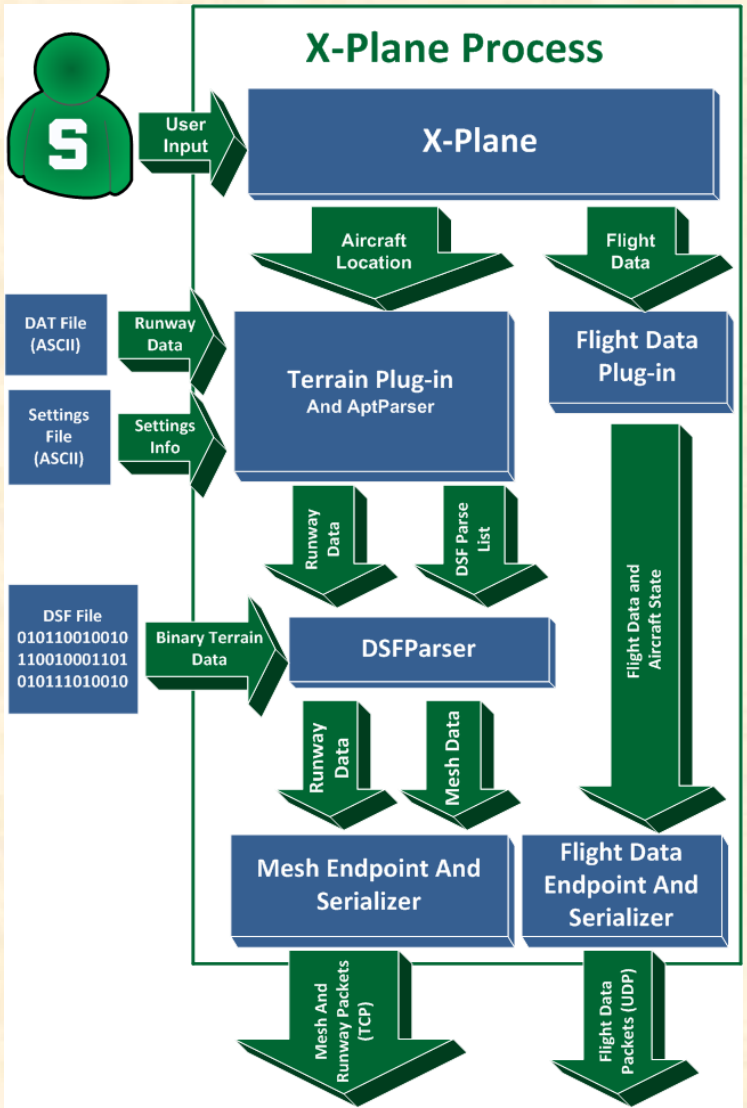
Architecture



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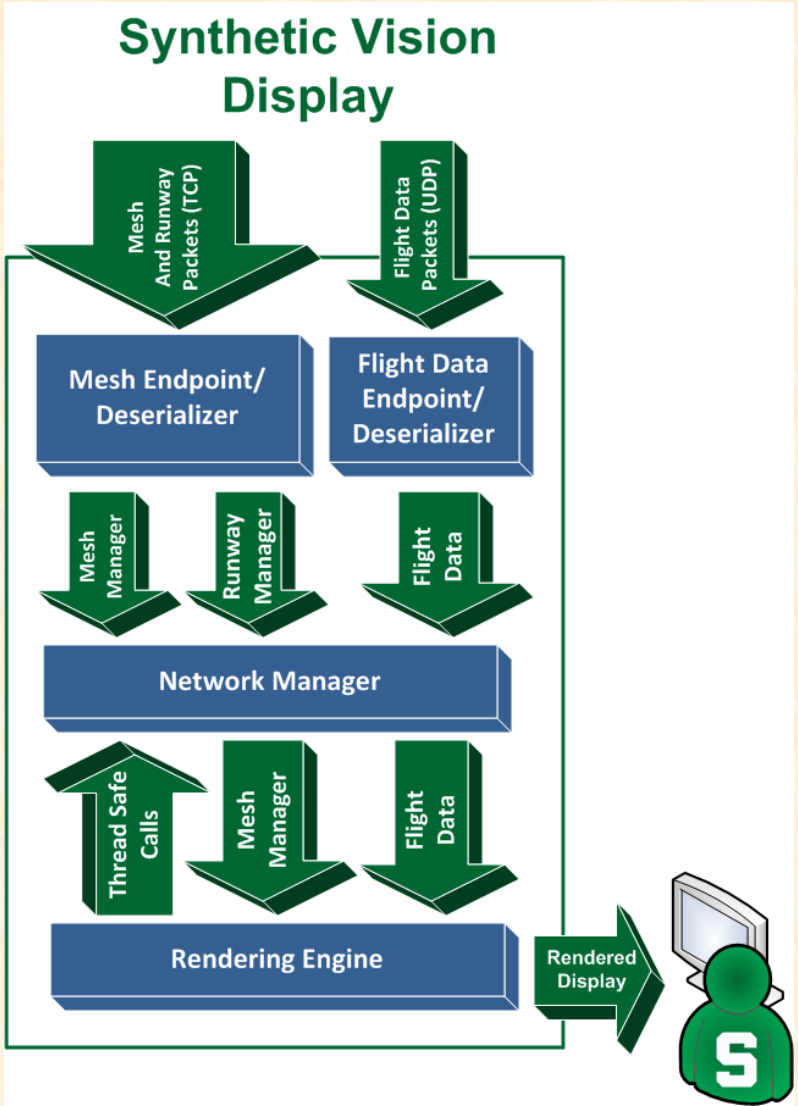
Architecture



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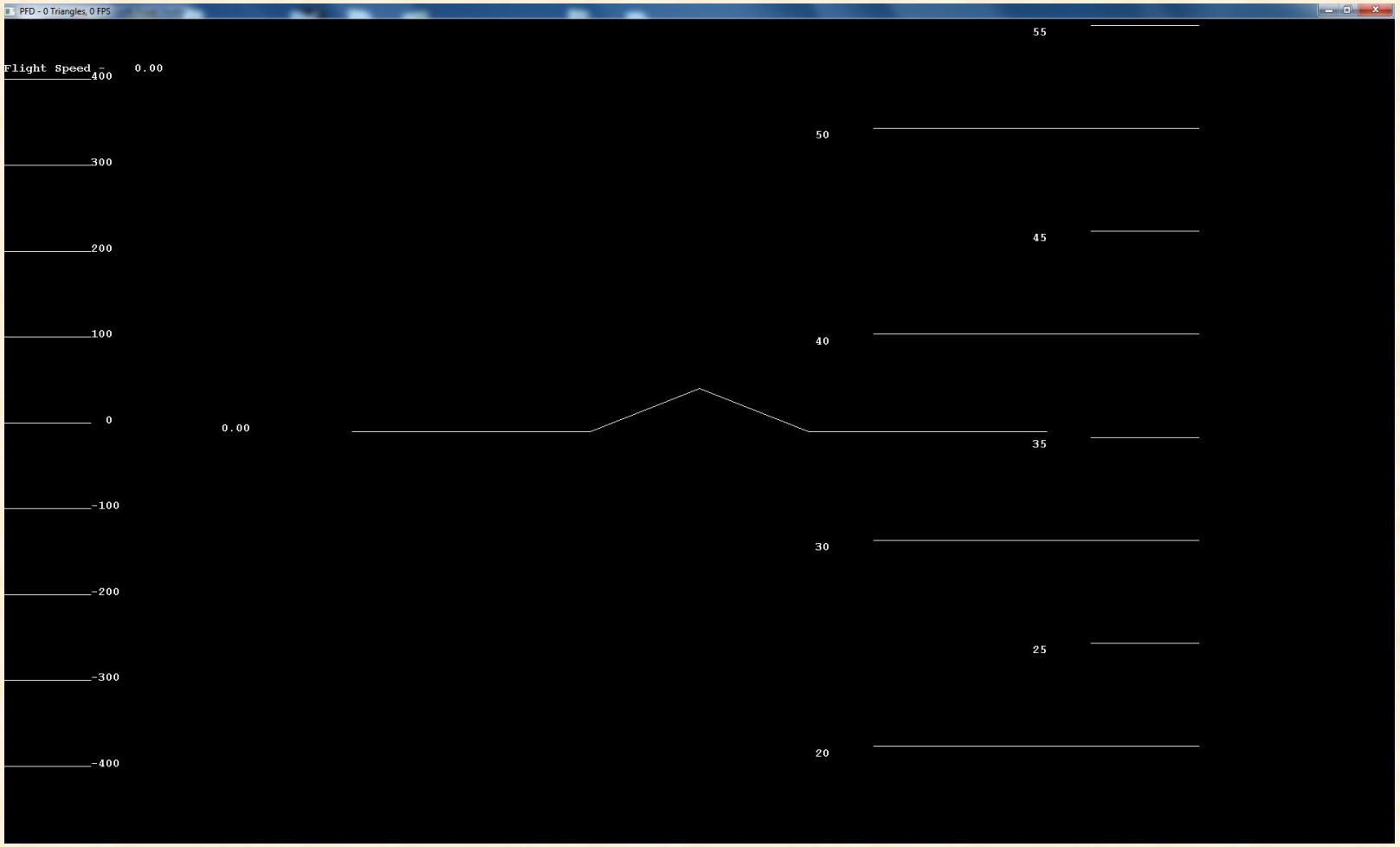
Screen Shot



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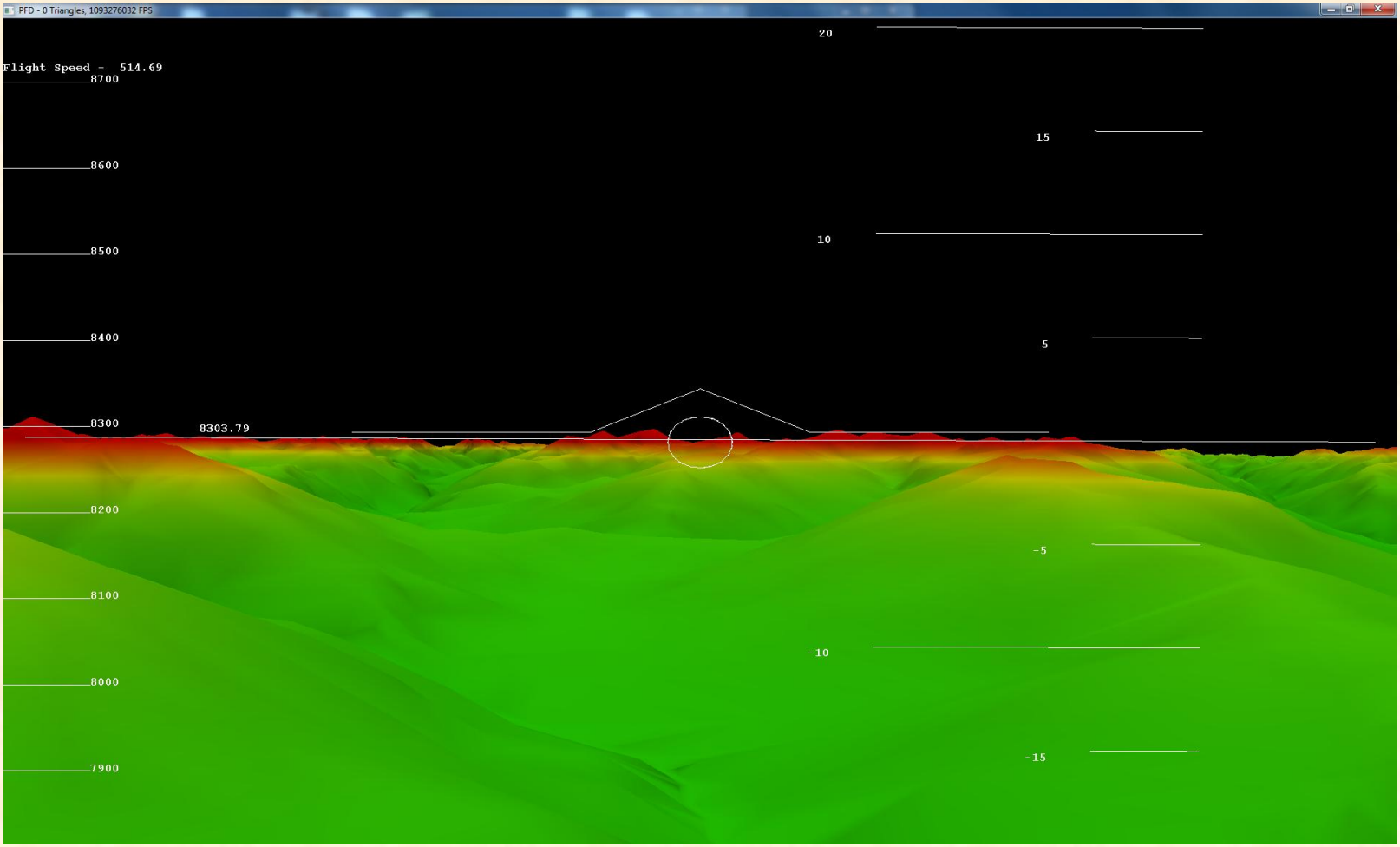
Screen Shot



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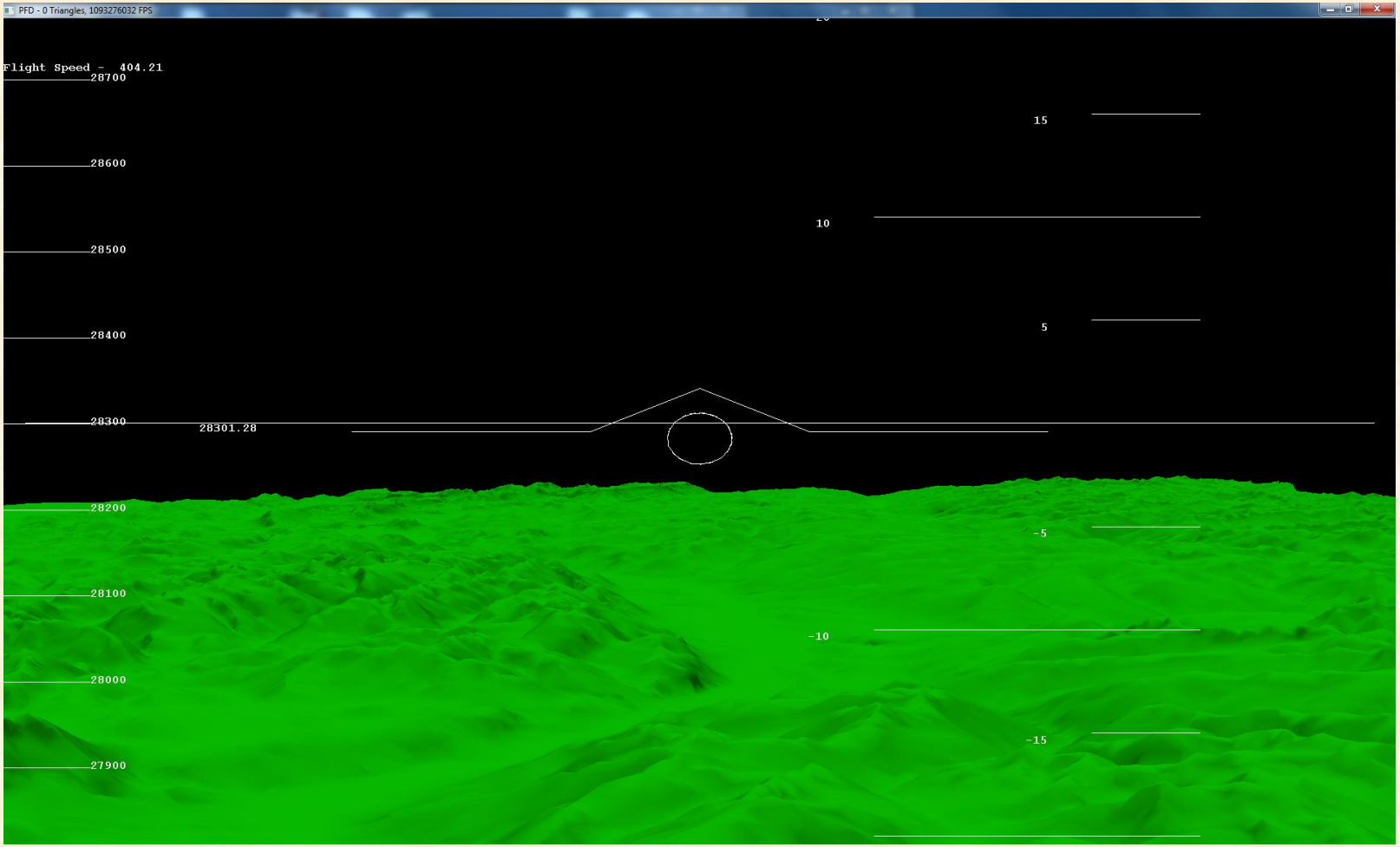
Screen Shot



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Questions

- Questions?