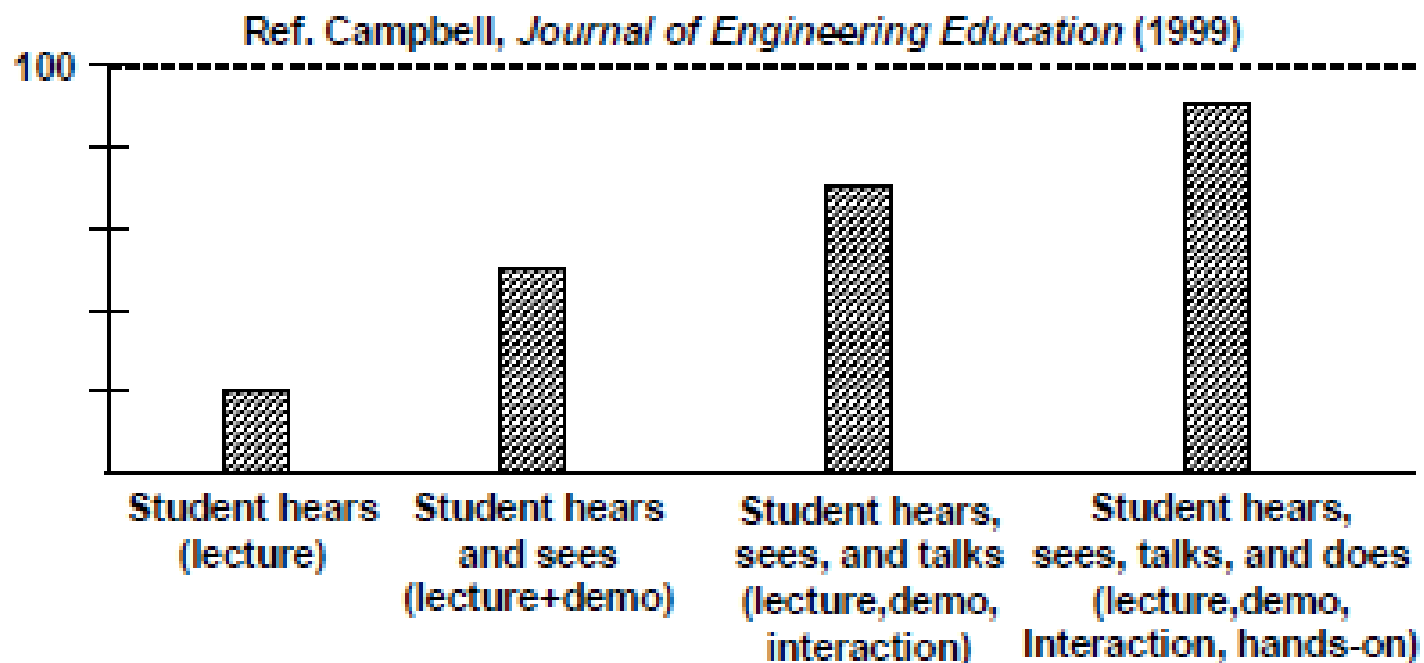


# Training limitations

# Academic limitations

- Need to employ active learning
  - “I hear and I forget.  
I see and I remember.  
I do and I understand.”

# Academic limitations

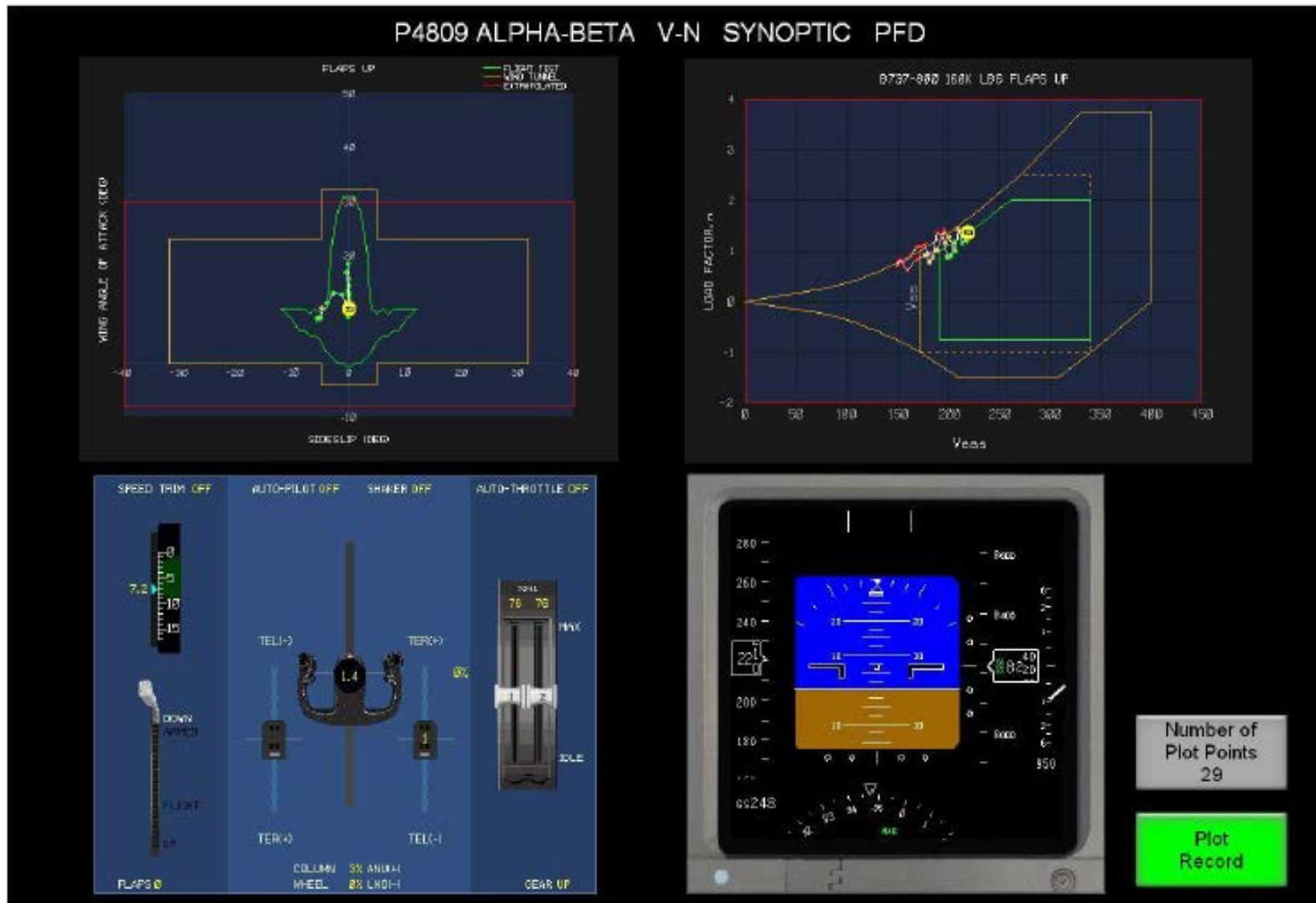


# Academic limitations

- Definitions
  - It is easy to begin teaching without a common understanding of the terms
- Hard to keep this topic simple
  - More challenging with multiple instructors
- Available demos are surprisingly few
- The pilot that needs the training the most can be hardest to reach academically

# Simulator limitations

## Instructor operating station



# Simulator limitations

- Need to stay within valid training envelope

# Simulator limitations

- Need to stay within valid training envelope
- G cues are seriously lacking

# Simulator limitations

- Staying within valid training envelope
- G cues are seriously lacking
- Mindset



# Simulator limitations

- Staying within valid training envelope
- G cues are seriously lacking
- Mindset
- Hard, but not possible, to evoke surprise/startle

# On-aeroplane limitations

- General aviation trainers and commercial transports are different
  - Time response much faster in GA
  - Engine response faster in GA
  - Stall characteristics can be completely different
  - Flying with an experienced safety pilot is comforting
- Cost
  - Most of the cost is not school cost, but time lost and paying salaries of pilots to take the course
- Just like in simulation, a good instructor needs to explain the differences to maximize success