

SIMULATION-BASED GLIDER FLIGHT

CONDOR

CHICAGOLAND GLIDER COUNCIL
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AGENDA

Applications

Flight Training

Primary

Advanced

Proficiency

Personal Use

Promotion

Question / Answer

SIMULATION-BASED FLIGHT TRAINING

Availability

Any Time of Day

Any Day of the Week

Any Week of the Year

Anywhere in the World

Never Weathered-Out

By anyone who knows how to fly a glider

Reliability

Never Off-line for an Annual

No Maintenance

Flexibility

In-Person / Online

One-on-One / Groups

Leisurely / Accelerated

SIMULATION-BASED FLIGHT TRAINING

Efficiency

Time

Money

Resources

Instructors

Aircraft

Effectiveness

Superior **Learning/Teaching** Environment

Greater **Breadth** and **Depth** of **Experience**

Affordability

Low Acquisition Costs

Low Operational Costs

No Insurance Requirement

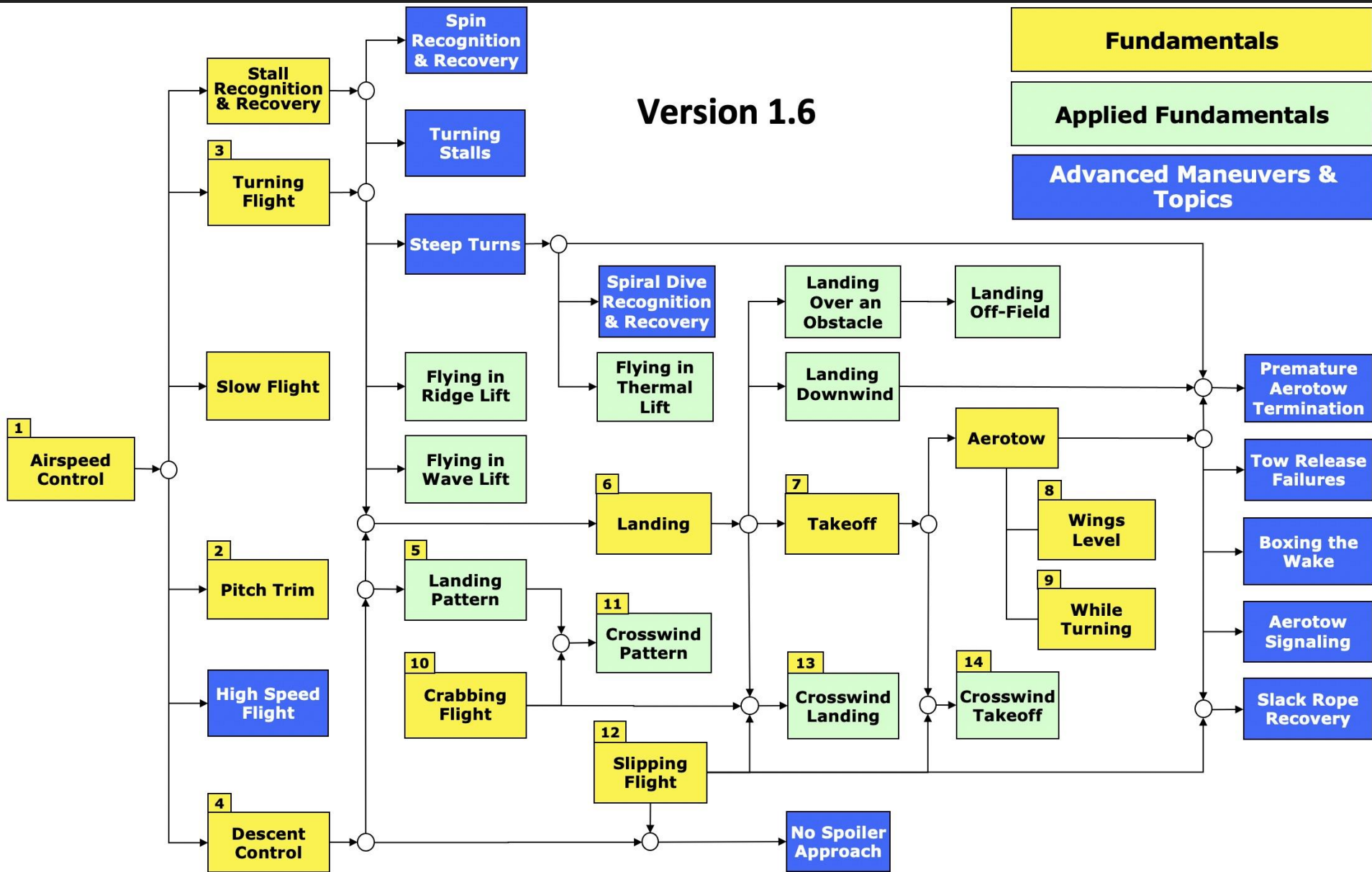
PRIMARY FLIGHT TRAINING

Version 1.6

Fundamentals

Applied Fundamentals

Advanced Maneuvers & Topics



ADVANCED FLIGHT TRAINING

Cross Country

Navigation (Pilotage, Flight Computer Fundamentals)

Competition

Team Flying

Launch Methods

Aerotow, Winch, Self-Launch

Higher Performance / Complexity

Retractable Landing Gear, Flaps, Span

Aerobatics

Terrain (Ridge, Mountain, Wave)

PROFICIENCY == EXPERIENCE == SAFETY

a thorough competence derived from training and practice

Fundamentals

airspeed control, turning flight, descent control, takeoffs, landings, aerotow, crabbing flight, slipping flight

Applied Fundamentals

landing patterns, crosswind operations, flying in lift, landing downwind, landing over obstacles, landing off-airport

Advanced Maneuvers

steep turns, spiral dive recovery, stall recognition/recovery, spin recognition/recovery, high speed flight, premature tow terminations, boxing the wake, slack rope recovery, no-spoiler approach/landing

Judgement

Situational awareness, risk assessment, decision making

PERSONAL USE

Recreation

Scratch the Itch

Try new Stuff

See the World ([Condor Landscapes](#))

Hang out with Friends ([MultiPlayer](#))

Continuity

Pleasure / Challenge w/o Overhead / Risk

Involvement / Contribution

Instruction / Mentorship

Promotion

PROMOTION

Presentations / Rides / Flight Control Experiences

Experimental Aircraft Association (Oshkosh)

KidVenture (2010-2013)

SSA Venue (2014 ...)

Forum Presentations (2014-2019)

EAA Chapters

Recreation Trade Shows

Local Airshows

High School STEM Programs

High School & College Aviation Clubs

CONDOR2 & VIRTUAL REALITY

Compelling!

Condor Version 2

Dramatically improved graphics

Oculus VR Headset

3D – 80 degree field of view

Realistic Head Tracking

Stereophonic Audio

Considerations

Graphics Processing Unit (GPU) Requirements

Vertigo / Nausea

CONDOR ACQUISITION

Cumulus Soaring, Inc. (Paul Remde)

Condor2

License Keys & Software Download

Joystick

Rudder Pedals

Condor Keypad

Information

Support

Condor Soaring

condorsoaring.com



Soaring Flight Simulator

- Great for:
 - Virtual Cross-Country Soaring Adventures
 - Instruction / Flight Training / Practicing at Home
 - Online Sailplane Racing

VR Compatible

- Incredible feeling of "immersion" / "being there"
- Being able to look around makes it much easier to nail the landing pattern
- Compatible VR (Virtual Reality) Headsets: Oculus Rift, Oculus Rift S, HTC Vive
- VR headsets require a powerful "VR Compatible" PC or Mac



Condor2 Pricing

- Condor2: \$65
- Software license with Slovenia landscape and 7 sailplanes
- Condor2-Pro: \$185
 - Condor2 software license & all Add-On Sailplanes
- Condor2 Individual Add-On Sailplanes: \$12 to \$19
- Condor2-All-Add-On-Sailplanes: \$170
- All Add-On Sailplanes
 - Condor2-Basic-Kit: \$117
 - Condor2 software license, USB flash drive, & joystick
 - Condor2-Standard-Kit: \$252
 - Condor2 software license, USB flash drive, joystick, & rudder pedals
 - Condor2-Ultimate-Kit: \$400
 - Condor2 software license, all Add-On Sailplanes, USB flash drive, joystick, rudder pedals, & Condor-Keypad
- USB Flash Drive: \$10
- Condor2 installation files, manual, & tips documents
- Condor-Keypad: \$30
- 18 ways, especially helpful when using VR goggles
- Logitech Extreme 3D Pro Joystick: \$47
- CH Products Pro Pedals - Rudder Pedals: \$140

Condor2 Sailplanes

- Included with Condor2:
 - Antares 115
 - Blanik L-13
 - Diana 2
 - DuoDiscus XL
 - Genesis 2
 - Grunus Baby
 - Standard Cirrus
- Condor2 Optional Add-On Sailplanes:
 - ASG 29 Es, sustainer
 - ASK 21
 - Binder EB29R, 28m self-launcher
 - DG-805C, 15m & 18m self-launcher
 - Discus 2a
 - JS1C, 18m & 21m
 - KA
 - Libelle H201B
 - LS4a
 - LSP-Neo
 - Schweizer 1-26
 - SG38
 - Swift S1, aerobatic
 - Ventus 3, 15m & 18m
 - More sailplanes added often



Condor2 Landscapes

- Included with Condor2:
 - Slovenia

Optional Freely Downloadable Landscapes:

- Nephi, Utah
- Seminole Lake, Florida
- Pennsylvania Ridges
- Oahu, Hawaii
- Sierra Nevada
- South Nevada
- Arizona
- Cascade Range, (NW USA)
- Georgia
- Wurtsboro, NY
- Lake Placid, NY
- Eastern Ontario
- New Zealand (overall)
- Lake Keesbil, Australia
- New South Wales, Australia
- Many more extremely detailed landscapes for Europe, South America, Africa, etc.
- More landscapes created often





QUESTIONS

THE END