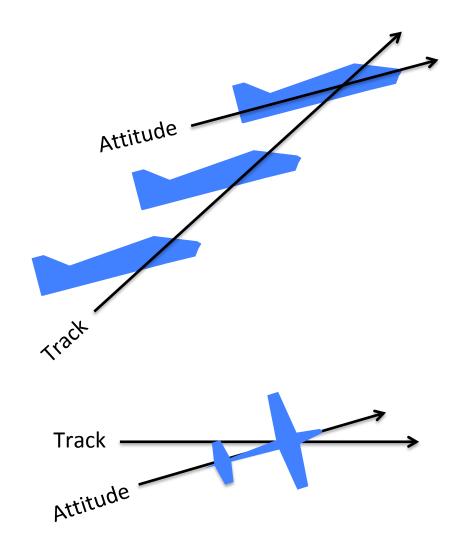
Wind Compensation

- Main Ideas
 - Adjusting attitude to maintain track
 - Increasing/decreasing attitude for speed changes
 - Rolling the wing

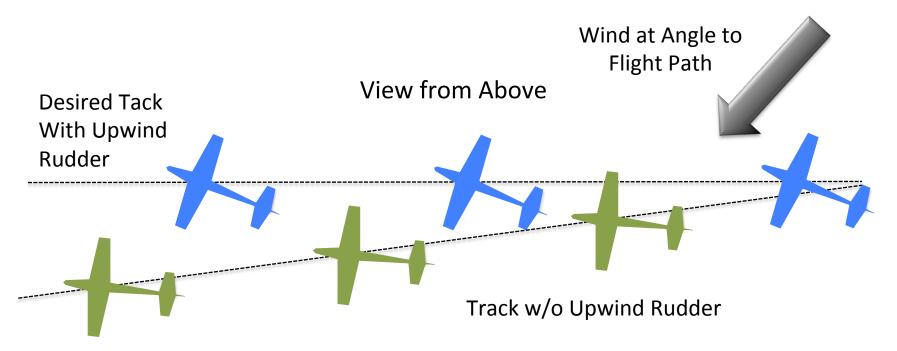
Attitude vs. Track

- Scoring is based on the track of the aircraft
- With no wind, track and attitude are the same
- With wind, the attitude of the aircraft must be continually adjusted to compensate for the effects of wind and speed changes

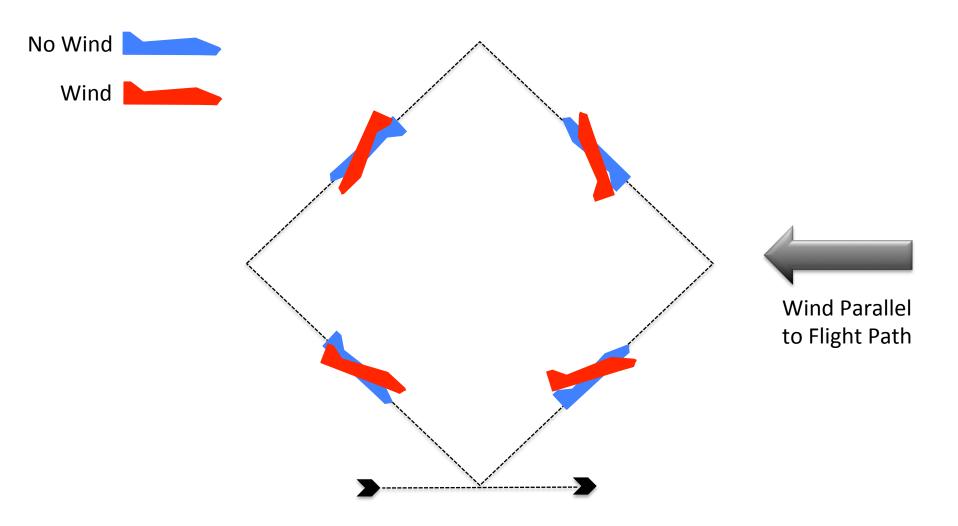


Yaw in a Crosswind

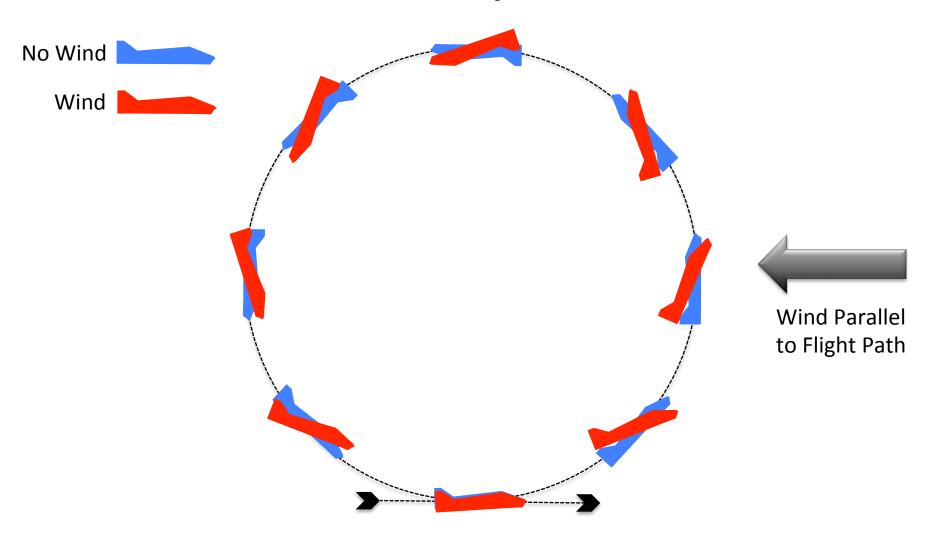
- Aircraft will yaw into a cross-wind without input
- In many situations, some upwind rudder needs to be held, continuously or intermittently, to maintain track



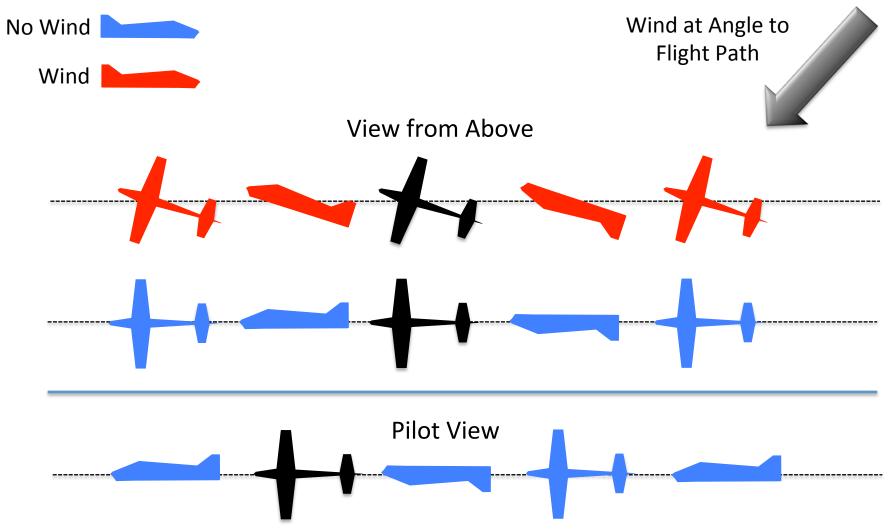
Lines



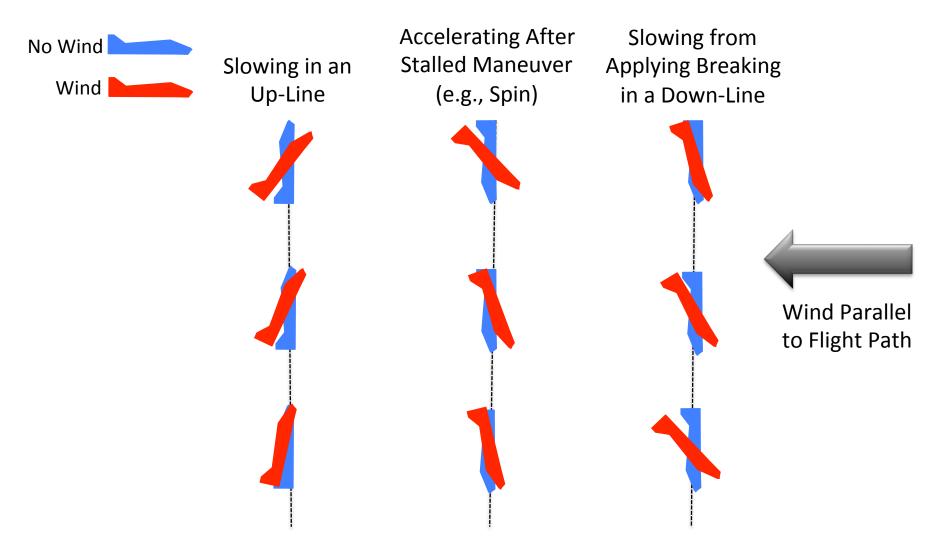
Loops



Rolls



Adjust Attitude for Speed Changes



Rolling the Wing

 In a crosswind, any time a loop or part loop is performed (e.g., pull to vertical), the wing must be rolled to keep the nose of the airplane angled into the wind and to maintain the appearance of wings level

Not Rolling Wing Wind at Angle to

Loop Viewed from Above

Flight Path

Rolling Wing

Practice Exercise

- Various winds, particularly cross
- ½ Reverse Cuban 8; continuous back and forth
- Perfect the geometry holding track parallel to runway
- Observer providing feedback

