

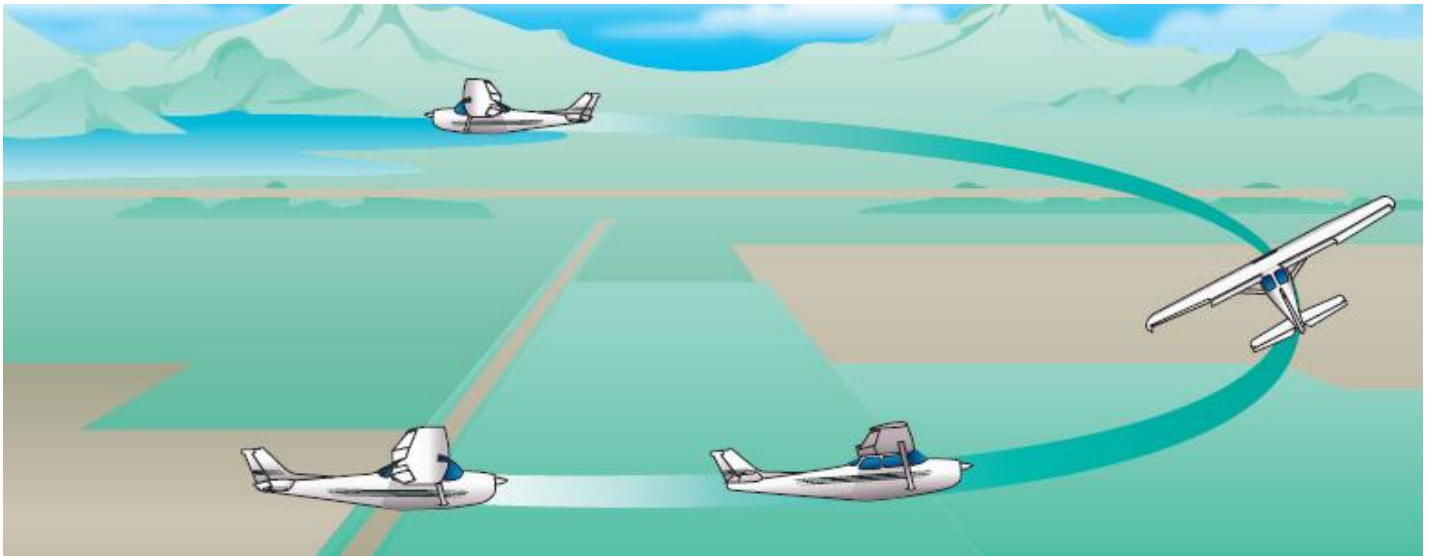


The Chandelle

Purpose

High performance 180° climbing turn.

Used in dogfighting, fighter formations, and to reverse course & gain altitude.



The airplane exits the maneuver 180° from entry at a higher altitude.

Procedure

1. Begin no lower than 1,500' AGL
2. Clear the area
3. Align wing to reference landmark
4. From wings-level cruise, increase to 2,000 RPM and 30" MP
5. Establish and maintain 30° of bank from 0° point → 90° point in the turn
 - Constant bank
 - Continually decreasing airspeed
6. Begin coordinated rollout from 90° point → 180° point
 - Constant rate of rollout
 - Constant pitch attitude
7. Complete rollout at 180° from entry $\pm 10^\circ$
 - Align opposite wing to entry reference landmark
8. Conclude with a wings level nose high attitude above stall speed
9. Return to straight and level flight at cruise power [1,850 RPM & 28" MP]
 - Minimal loss of altitude