



Steep Turns

Cherokee settings, Archer settings are highlighted

➤ **Configuring**

- 2350 RPMs
- Trimmed for level flight above 2000' AGL
- ESP off
- Clearing turns and checking the traffic screen
- Roll out on a cardinal heading and bug it

➤ **Initiating**

- Increase RPMs by 100
- Roll aircraft to 45* bank turn (50* for commercial checkride)
- Pull back on yoke and simultaneously apply upward trim
- Maintain aircraft altitude +/- 100' by keeping the horizon passing through the nose of the aircraft
- Adjust altitude with throttle if necessary

➤ **Parameters**

- $\pm 100'$ on altitude
- $\pm 10^\circ$ of bank angle
- $\pm 10^\circ$ rollout from start of maneuver
- ± 10 mph on airspeed