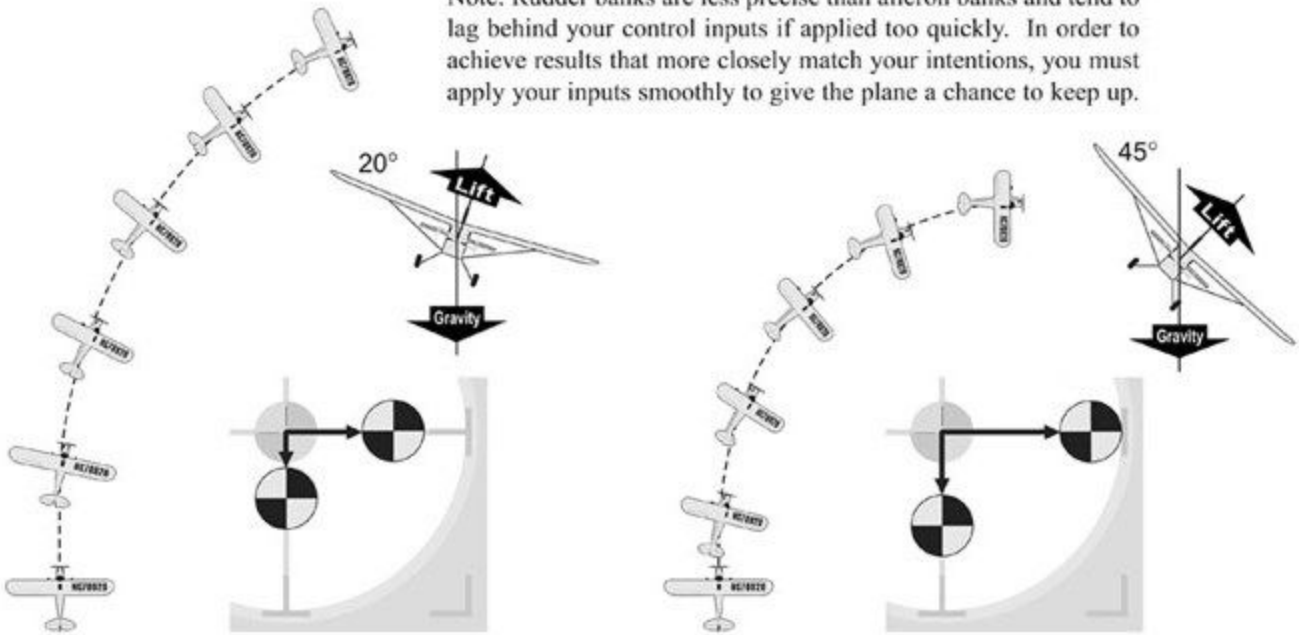
Controlling the Size of Rudder Turns

The degree of bank, and therefore the size of the turn, are determined by the size of the rudder control input. A smaller rudder input produces a shallower wider turn, and vice-versa. The degree of bank also corresponds to how much up elevator will be required to keep the turn level:

During a mild bank, most of the wing's lift is still opposing the pull of gravity, and thus very little up elevator is needed to keep the turn level. During a steeper bank, there's less upward component of lift to oppose gravity, thus requiring more up elevator to keep the turn level.

Ultimately, the objective is to control the size of your turns and keep them level by paying attention to the control inputs you initiate them with, and corresponding more or less elevator depending on the size of the rudder input you apply.

Note: Rudder banks are less precise than aileron banks and tend to lag behind your control inputs if applied too quickly. In order to achieve results that more closely match your intentions, you must apply your inputs smoothly to give the plane a chance to keep up.



KPTR: The size of the turn is controlled by the size of the rudder input, while elevator keeps the turn level.