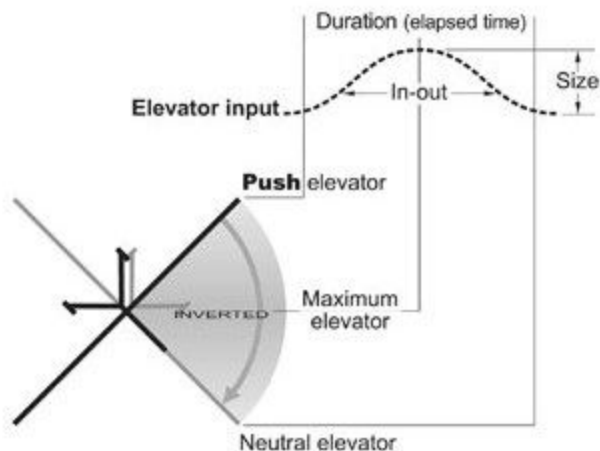


### 3D Rolling Harrier Elevator Technique



Using rudder alone during the rolling harrier warmup may have only raised the nose up about 20 degrees. During the second phase of learning a rolling harrier, elevator will be added to help raise the nose higher. The objective is to continue making the rudder inputs as before while pulling and pushing the nose up during the upright and inverted segments of the rolls. Once again, there won't be enough time to try to manage the elevator by watching the plane. Instead, each time the wings approach level, commit to a steady "in-out" elevator input. Then quickly reflect and apply what you learned to the subsequent elevator inputs.

Start by positioning the throttle to approx. half. Pull the nose up slightly and start rolling. If you're rolling right, apply top left rudder when the wings approach knife-edge. When the plane approaches inverted, push down elevator (in-out). When the plane approaches knife-edge, input top right rudder. And when the plane approaches upright, pull up elevator. Repeat as many times as you can, and control your altitude at this stage by varying the size of your elevator and rudder inputs.

