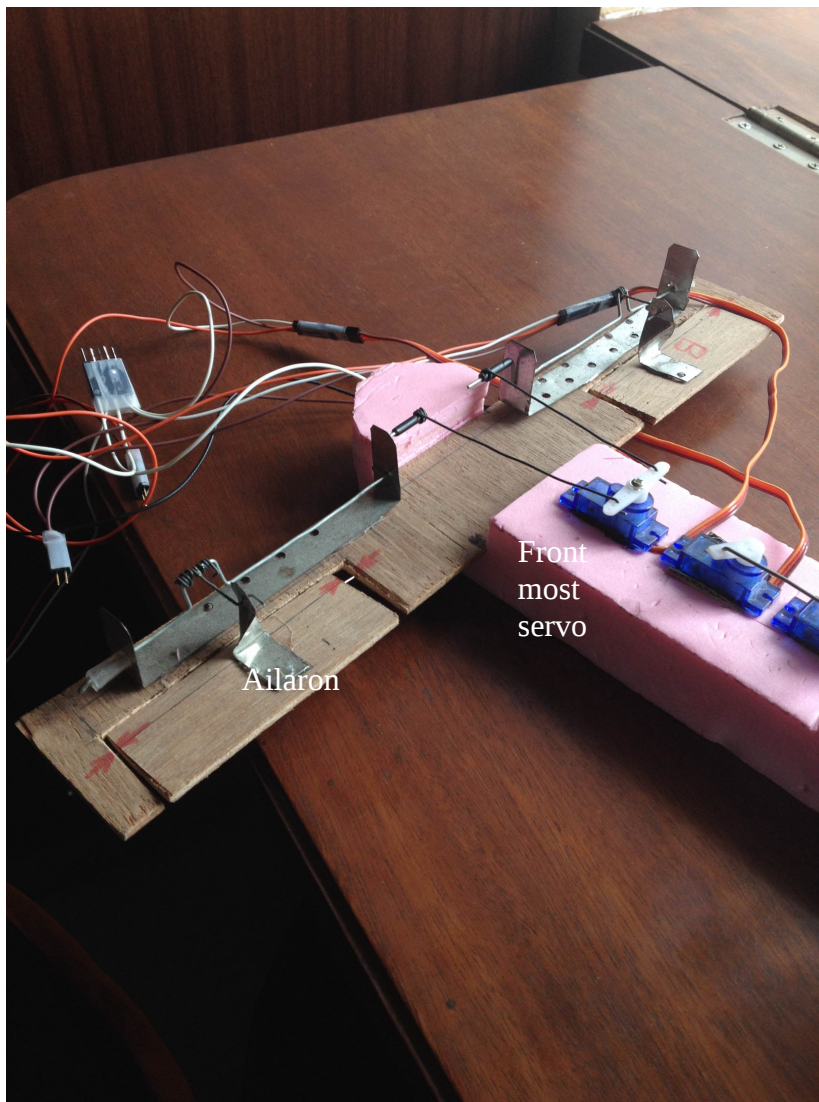


Demonstration of the autocorrection system:

*This demo was done in class by a model previously built by Madhav to show how a control surfaces would try to correct it's angular orientation/position (if it were moving through a fluid) when ever it was changed.

Using the ideas discussed in 'flight dynamics' the model was able to demonstrate, where servos may be placed to fulfil the desired motion of the control surface(s) it is attached to.

This is picture showing how the ailerons were controlled:



As you can see, the front most servo is responsible for moving the ailerons in a way that would cause the craft to perform a rolling manoeuvre.

*As the servo turns, it causes one aileron to move up and the other to move down.

Fig 1.1

For the back (Elevator and ruder, the same idea applies; the servo attached to the control surface via a wire to pull and push causing a torque on the control surface it is attached to.

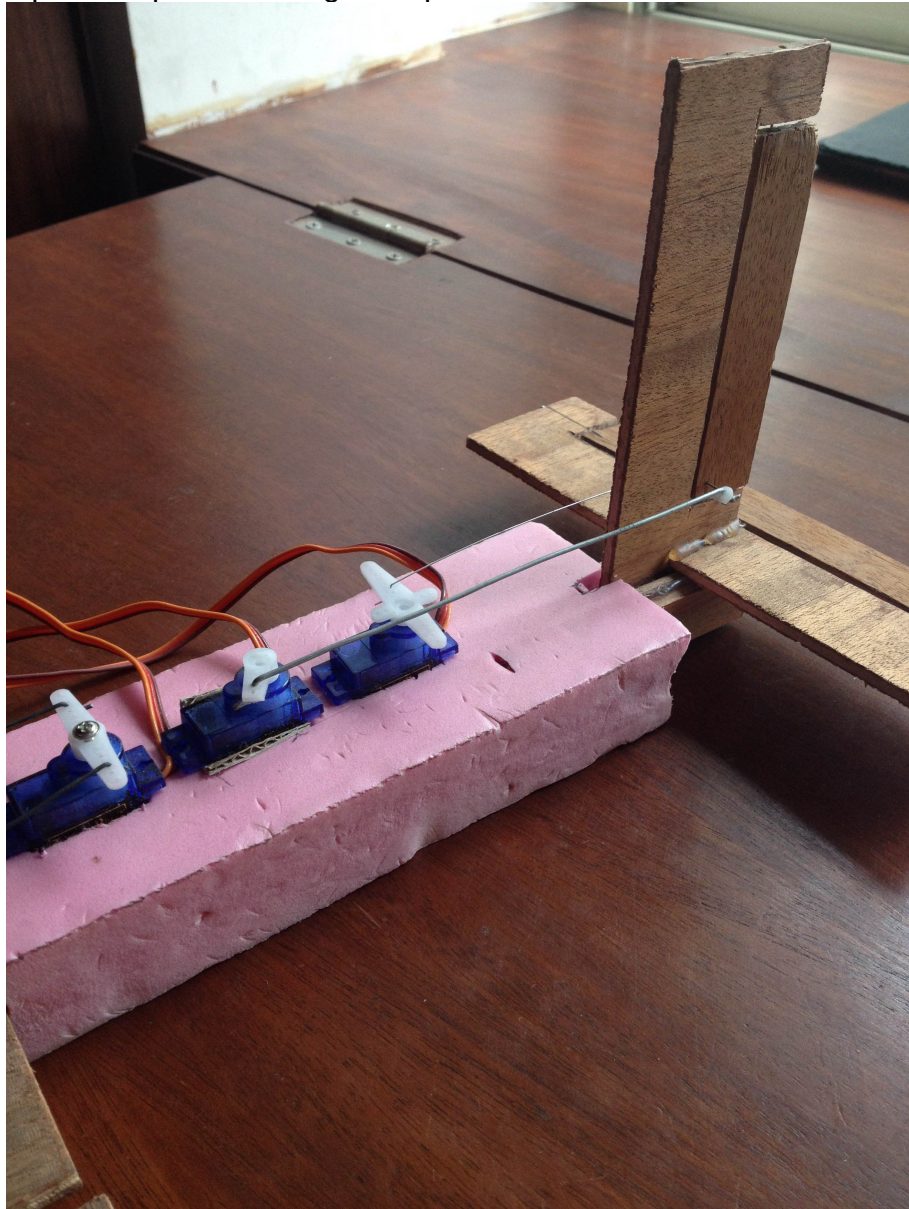


Fig 1.2