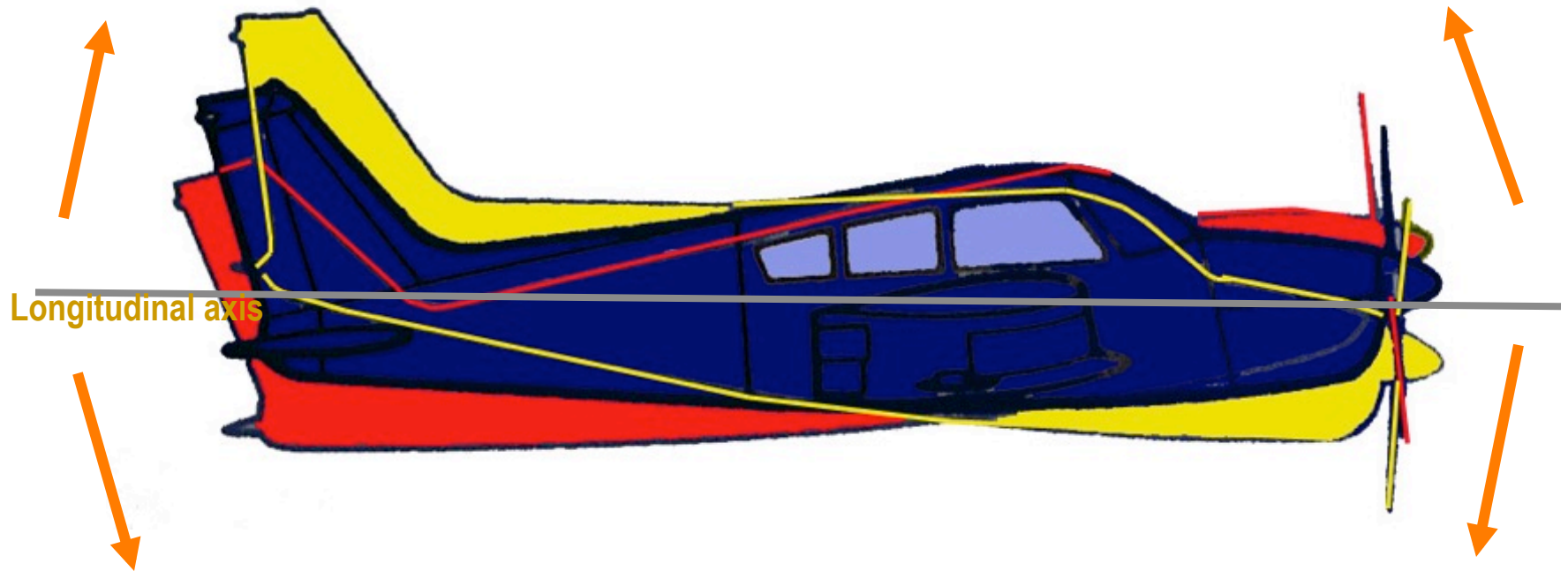


PITCHING- about lateral axis



PITCHING

- The up and down movement of an aircraft about its *lateral axis* is known as *pitching*.
- Pitching moment of the aircraft is produced and controlled by the elevators.
- When the control column is pulled backward, the elevators will move up;
- and the high air pressure generated by the airflow on the top of the elevators pushes the tail down, which in turn will force the nose of the airplane to pitch up.

PITCHING Cont..2

- When the control column is pushed forward, the elevator will move down;
- and the high air pressure generated by the air flow on the bottom of the elevators will push the tail up, which in turn will force the nose of the airplane to pitch down.