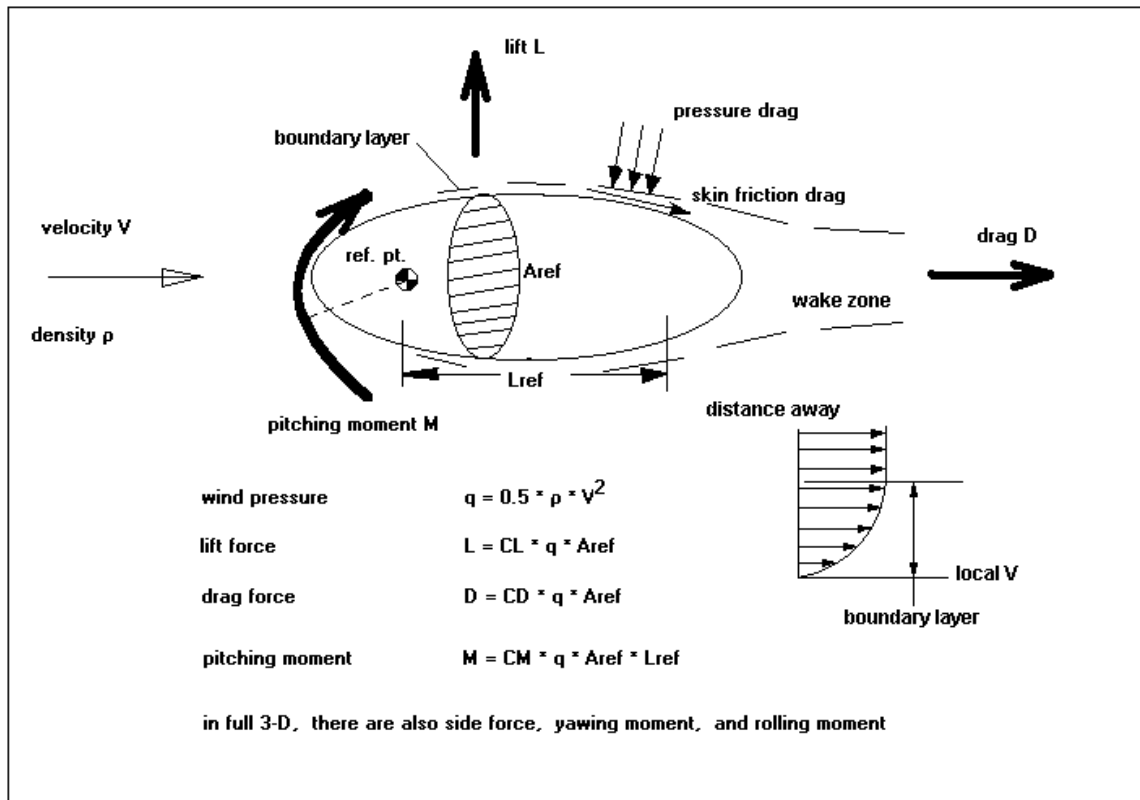


## BASIC NOTIONS



wake zone – a region of separated flow behind an object; any sensible flow is reversed

boundary layer – a region of reduced flow speed due to skin friction, close to a surface

wind pressure – technically known as dynamic pressure, dependent on density and speed

lift force – that component of aerodynamic force perpendicular to the wind direction

drag force – that component of aerodynamic force parallel to the wind direction

pitching moment – a torque (twisting action), not a force (straight line), twists nose up

reference point – for aerodynamic forces, this is called the aerodynamic center

reference area – a quantity to make the equations work, usually the wing planform area

reference length – a quantity to make the moment equation work, usually the mean chord