

Calculate the net force acting on the plane during the accelerated portion of the plane's flight

Model Plane Flight Calculations

Formulas

Draw a picture of the plane with arrows indicating the four forces acting on the plane

Data

	Mass of plane
	Length of wing
	Width of wing
	Distance of level flight
	Time of level flight
	Distance of accelerated flight
	Time of accelerated flight

Calculate the average velocity of the level flight portion of the plane's flight

Calculate the lift of the level flight portion of the plane's flight

Calculate the coefficient of lift of the level flight portion of the plane's flight