Mathematics And Physics For Aviation Personnel

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Dual in Mathematics and Physics, or Aviation
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MEA148 Apply mathematics and physics in aviation maintenance
Mathematics may be thought of as a set of tools. The aviation mechanic will need these tools to success-fully complete the maintenance, repair, installation, or certification of aircraft equipment. Many examples of using mathematical principles by the aviation mechanic are available. Tolerances in turbine engine components are critical, making it

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The Bernoulli equation states that an increase in velocity leads to an decrease in pressure. Thus the higher the velocity of the flow, the lower the pressure. Air flowing over an airfoil will decrease in pressure. The pressure loss over the top surface is greater than that of the bottom surface.

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