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The thrust of propeller
is given by the formula
(1) Here, A is the area
of the cross-section of
the propeller, is the

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pressure at the section b, and is the pressure at section a. The thrust of the propeller can also be expressed by the formula (2) Here, ρ is the density of air, V is the mean velocity, and V_1 is the velocity differential between the exhaust velocity and the flight velocity.

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