
Power balance of an aircraft with air-cushion undercarriage

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The article presents an equation of power balance of the aircraft with air-cushion landing gear. It includes the total power of all engines necessary for take-off, cruise flight and air-cushion operation which are determined from the equation. A short analysis of influence of the said parameters on power of the aircraft with air-cushion undercarriage is given.

Keywords: *balance, aircraft, undercarriage, air-cushion, power-weight ratio, thrust-weight ratio.*

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