

Comparative analysis of propulsion system design features and takeoff patterns for foreign and domestic deck fighters

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Technical realization of vertical and horizontal takeoff and landing patterns for deck fighters in Russia and abroad is considered. Comparative analysis of propulsion system design features for F-35 (USA) and MiG-29K (RF) is performed. Evaluation of the efficiency of fighters operation is given with regard to the characteristics of the aircraft carriers and aviation-capable cruisers.

Keywords: *deck fighter, propulsion system, takeoff and landing pattern, steam catapult, ski jump.*

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