

Automatic Control Of Aircraft And Missiles

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Automatic Control of Aircraft and Missiles John H. Blakelock This is certainly not my favorite book on dynamics or control, but everyone references it, so you should probably have a copy of it if you're a serious aeronautics guidance and control professional.

[Automatic Control of Aircraft and Missiles | John H ...](#)

The automatic system is divided into 3 main parts: The Flight Management System (FMS), the Flight Director (F/D) and the Autopilot (A/P). Often an Autothrust (A/T) system as well. If we want to be technically correct, which we want, the autopilot is actually nothing more than a rather simple computer that follows commands and translates those commands to hydraulic servo actuators in order to move the flight controls.

[How to fly a plane - Automatic Control](#)

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The autopilot control panel of a Boeing 747-200 aircraft. An autopilot is a system used to control the trajectory of an aircraft, marine craft or spacecraft without requiring constant manual control by a human operator. Autopilot does not replace human operators. Instead, autopilot assists the operator's control of the vehicle, allowing the operator to focus on broader aspects of operations ...

[Autopilot - Wikipedia](#)

Many aircraft have wing flaps, controlled by a switch or a mechanical lever or in some cases are fully automatic by computer control, which alter the shape of the wing for improved control at the slower speeds used for take-off and landing.

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the control of any aircraft is made by applying forces to the control surfaces in order to generate control forces and moments needed to steer

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