





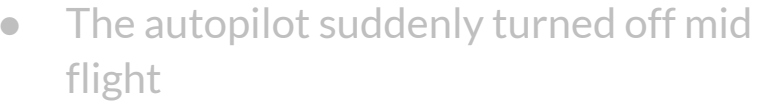
Air Force 4447





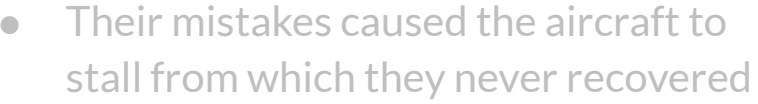


- Flight from Rio to Paris in 20009 that crashed into the Atlantic Ocean



- The autopilot suddenly turned off mid flight

- The pilots were unable to understand the situation and were not used to flying manually at 38,000 ft



● Their mistakes caused the aircraft to stall from which they never recovered

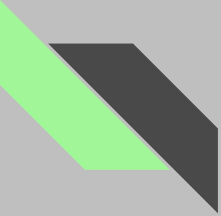


- The autopilots response to a problem was to simply give up



Air France 447

- Flight from Rio to Paris in 2009 that crashed into the Atlantic Ocean
- The autopilot suddenly turned off mid flight
- The pilots were unable to understand the situation and were not used to flying manually at 38,000 ft
- Their mistakes caused the aircraft to stall from which they never recovered
- The autopilots response to a problem was to simply give up



"In the Airbus disaster, the computer's response to an 'error' event was to abandon control, which caused a stall from which the pilots never recovered. ... Stopping on an execution error is a bad idea. It's a bad policy. The alternative is a bad policy too. ... We need to handle exceptions in a humane way."

–William Kahan, at the IFIP Working Conference on Uncertainty Quantification in Scientific Computing, at NIST in Boulder, Colorado, 3 August 2011