

Advanced control of turbofan engines

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Abstrak

Advanced control of turbofan engines describes the operational performance requirements of turbofan (commercial) engines from a controls systems perspective, covering industry-standard methods and research-edge advances. This book allows the reader to design controllers and produce realistic simulations using public-domain software like CMAPSS (Commercial Modular Aero-Propulsion System Simulation). The scope of the book is centered on the design of thrust controllers for both steady flight and transient maneuvers.