

1. Record Nr.	UNINA9910271056303321
Autore	Young Trevor M.
Titolo	Performance of the jet transport airplane : analysis methods, flight operations, and regulations // Trevor M. Young
Pubbl/distr/stampa	Hoboken, New Jersey ; ; Chichester, West Sussex, England : , : Wiley, , [2018] ©2018
ISBN	1-118-53477-8 1-119-68278-9 1-5231-2372-9 1-118-53476-X 1-118-53478-6
Descrizione fisica	1 online resource (iv, 668 pages) : illustrations, tables
Collana	Aerospace Series
Disciplina	629.133/349
Soggetti	Jet transports - Piloting Aeronautics, Commercial Airplanes - Performance
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction Engineering Fundamentals Aerodynamic Fundamentals Atmosphere and Weather Height Scales and Altimetry Distance and Speed Lift and Drag Propulsion Takeoff Performance Takeoff Field Length and Takeoff Climb Considerations Approach and Landing Mechanics of Level, Climbing, and Descending Flight Cruising Flight and Range Performance Holding Flight and Endurance Performance Mechanics of Maneuvering Flight Trip Fuel Requirements and Estimation En Route Operations and Limitations Cost Considerations Weight, Balance, and Trim Limitations and Flight Envelope Noise and Emissions Airplane Systems and Performance Authorities, Regulations, and Documentation International Standard Atmosphere (ISA) Table Units and Conversion Factors Coordinate Systems and Conventions Miscellaneous Derivations Trim and Longitudinal Static Stability Regulations (Fuel Policy) Abbreviations and Nomenclature

Sommario/riassunto

Presenting a detailed and comprehensive treatment of performance analysis techniques for jet transport airplanes, this unique book describes key operational and regulatory procedures and constraints that directly impact the performance of commercial airliners. -- Edited summary from book
