1. Record Nr. UNINA9910458132703321

Autore	Moore Oliver
Titolo	Rituals of Recruitment in Tang China : Reading an Annual Programme in the Collected Statements by Wang Dingbao (870-940) / / Oliver Moore
Pubbl/distr/stampa	Leiden; ; Boston : , : BRILL, , 2004
ISBN	1-280-91537-4 9786610915378 90-474-0571-4 1-4294-0843-X
Descrizione fisica	1 online resource (422 p.)
Collana	Sinica Leidensia ; ; 65
Disciplina	352.6/5/095109021
Soggetti	Civil service - Examinations Civil service - China - Examinations - History Employees - Recruiting Tang Dynasty (China) Electronic books. China History Tang dynasty, 618-907 China Officials and employees Recruiting History
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Based on translations of an unique Tang text, the Collected Statements , this work explores a worthy social commentary on the examination life that its compiler witnessed. Gradually providing a full picture of the civil service examination, it describes the emergence of the literary culture surrounding civil service examination recruitment during China's Tang dynasty (618-907); considers the series of rituals that Tang examination candidates underwent throughout the annual examinations; contrasts lavish court ceremonies of the early Tang period with more private rituals of acknowledgement that became fashionable in the second half of the dynasty. An annual programme of rituals became the cardinal definition of examination recruitment for both participants and onlookers. With valuable insights into the

	political and social tensions in the Tang history of competitive examination degrees.

2.

Record Nr.	UNINA9910962247003321
Autore	Sforza P. M
Titolo	Theory of aerospace propulsion / / Pasquale M. Sforza
Pubbl/distr/stampa	Waltham, Mass., : Academic Press, c2012
ISBN	9786613293640 9781283293648 1283293641 9780123848895 012384889X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (703 p.)
Collana	Aerospace Engineering
Disciplina	629.1/1 629.11
Soggetti	Jet propulsion
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Theory of Aerospace Propulsion; Copyright; Contents; Preface; Chapter 1 - Idealized Flow Machines; 1.1 Conservation Equations; 1.2 Flow Machines with No Heat Addition: The Propeller; 1.3 Flow Machines with P = 0 and Q = Constant: The Turbojet, Ramjet, and Scramjet; 1.4 Flow Machines with P = 0, Q = Constant, and A0 = 0: The Rocket; 1.5 The Special Case of Combined Heat and Power: The Turbofan; 1.6 Force Field for Air-Breathing Engines; 1.7 Conditions for Maximum Thrust; 1.8 Example: Jet and Rocket Engine Performance; 1.9 Nomenclature; Reference Chapter 2 - Quasi-One-Dimensional Flow Equations2.1 Introduction; 2.2 Equation of State; 2.3 Speed of Sound; 2.4 Mach Number; 2.5 Conservation of Mass; 2.6 Conservation of Energy; 2.7 Example: Heating Values for Different Fuel-Oxidizer Combinations; 2.8 Conservation of Species; 2.9 Conservation of Momentum; 2.10 Impulse Function; 2.11 Stagnation Pressure; 2.12 Equations of Motion in

Standard Form; 2.13 Example: Flow in a Duct with Friction; 2.14 Nomenclature; References; Chapter 3 - Idealized Cycle Analysis of Jet Propulsion Engines; 3.1 Introduction; 3.2 General Jet Engine Cycle
3.3 Ideal Jet Engine Cycle Analysis3.4 Ideal Turbojet in Maximum Power Take-Off; 3.5 Ideal Turbojet in High Subsonic Cruise in The Stratosphere; 3.6 Ideal Turbojet in Supersonic Cruise in The Stratosphere; 3.7 Ideal Ramjet in High Supersonic Cruise in The Stratosphere; 3.8 Ideal Turbofan in Maximum Power Take-Off; 3.9 Ideal Turbofan in High Subsonic Cruise in The Stratosphere; 3.10 Ideal Internal Turbofan in Supersonic Cruise in The Stratosphere; 3.11 Real Engine Operations; 3.12 Nomenclature; 3.13 Exercises; References; Chapter 4 - Combustion Chambers for Air-Breathing Engines
4.1 Combustion Chamber Attributes4.2 Modeling the Chemical Energy Release; 4.3 Constant Area Combustors; 4.4 Example: Constant Area Combustor; 4.5 Constant Pressure Combustors; 4.6 Fuels for Air-Breathing Engines; 4.7 Combustor Efficiency; 4.8 Combustor Configuration; 4.9 Example: Secondary Air for Cooling; 4.10 Criteria for Equilibrium in Chemical Reactions; 4.11 Calculation of Equilibrium Compositions; 4.12 Example: Homogeneous Reactions with a Direct Solution; 4.13 Example: Homogeneous Reactions with Trial-And-Error Solution
4.14 Example: Estimation of Importance of Neglected Product Species4.15 Adiabatic Flame Temperature; 4.16 Example: Adiabatic Flame Temperature for Stoichiometric H2-O2 Mixture; 4.17 Nomenclature; References; Chapter 5 - Nozzles; 5.1 Nozzle Characteristics and Simplifying Assumptions; 5.2 Flow in a Nozzle with Simple Area Change; 5.3 Mass Flow in an Isentropic Nozzle; 5.4 Nozzle Operation; 5.5 Normal Shock inside the Nozzle; 5.6 Example: Shock in Nozzle; 5.7 Two-Dimensional Considerations in Nozzle Flows; 5.8 Example: Overexpanded Nozzles; 5.9 Example: Underexpanded Nozzles
5.10 Afterburning for Increased Thrust

Sommario/riassunto

Readers of this book will be able to: utilize the fundamental principles of fluid mechanics and thermodynamics to analyze aircraft engines, understand the common gas turbine aircraft propulsion systems and be able to determine the applicability of each, perform system studies of aircraft engine systems for specified flight conditions, perform preliminary aerothermal design of turbomachinery components, and conceive, analyze, and optimize competing preliminary designs for conventional and unconventional missions. Early coverage of cycle analysis provides a systems pers