

1. Record Nr.	UNINA990005257110403321
Autore	Gumilev, L.N.
Titolo	Gli Unni : un impero di nomadi antagonista dell'antica Cina / L. N. Gulimev ; traduzione di Carlo Cosetti
Pubbl/distr/stampa	Torino : Einaudi, c1972
Descrizione fisica	X, 259 p. ; 22 cm
Collana	Saggi ; 490
Disciplina	950.1
Locazione	SDI FLFBC
Collocazione	SDI-2KC 13 950.1 GUM 1
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910462063103321
Autore	Carlton J. S
Titolo	Marine propellers and propulsion [[electronic resource] /] / J.S. Carlton
Pubbl/distr/stampa	Amsterdam, : Elsevier, 2012
ISBN	0-08-097124-5
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (539 p.)
Disciplina	623.8/73 623.873
Soggetti	Propellers Ships - Hydrodynamics Ship propulsion Electronic books.
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; Marine Propellers and Propulsion; Copyright; Dedication; Contents; Preface; Preface to the Third Edition; Preface; Preface to the Second Edition; Preface; Preface to the First Edition; General Nomenclature; Chapter 1 - The Early Development of the Screw Propeller; REFERENCES; FURTHER READING; Chapter2 - Propulsion Systems; 2.1 FIXED PITCH PROPELLERS; 2.2 DUCTED PROPELLERS; 2.3 PODDED AND AZIMUTHING PROPULSORS; 2.4 CONTRA-ROTATING PROPELLERS; 2.5 OVERLAPPING PROPELLERS; 2.6 TANDEM PROPELLERS; 2.7 CONTROLLABLE PITCH PROPELLERS; 2.8 SURFACE PIERCING PROPELLERS 2.9 WATERJET PROPULSION2.10 CYCLOIDAL PROPELLERS; 2.11 PADDLE WHEELS; 2.12 MAGNETOHYDRODYNAMIC PROPULSION; 2.13 WHALE-TAIL PROPULSION; REFERENCES AND FURTHER READING; Chapter3 - Propeller Geometry; 3.1 FRAMES OF REFERENCE; 3.2 PROPELLER REFERENCE LINES; 3.3 PITCH; 3.4 RAKE AND SKEW; 3.5 PROPELLER OUTLINES AND AREA; 3.6 PROPELLER DRAWING METHODS; 3.7 SECTION GEOMETRY AND DEFINITION; 3.8 BLADE THICKNESS DISTRIBUTION AND THICKNESS FRACTION; 3.9 BLADE INTERFERENCE LIMITS FOR CONTROLLABLE PITCH PROPELLERS; 3.10 CONTROLLABLE PITCH PROPELLER OFF-DESIGN SECTION GEOMETRY

3.11 MISCELLANEOUS CONVENTIONAL PROPELLER GEOMETRY
TERMINOLOGY REFERENCES AND FURTHER READING; Chapter4 - The
Propeller Environment; 4.1 DENSITY OF WATER; 4.2 SALINITY; 4.3
WATER TEMPERATURE; 4.4 VISCOSITY; 4.5 VAPOR PRESSURE; 4.6
DISSOLVED GASES IN SEA WATER; 4.7 SURFACE TENSION; 4.8 WEATHER;
4.9 SILT AND MARINE ORGANISMS; REFERENCES AND FURTHER
READING; Chapter5 - The Ship Wake Field; 5.1 GENERAL WAKE FIELD
CHARACTERISTICS; 5.2 WAKE FIELD DEFINITION; 5.3 THE NOMINAL
WAKE FIELD; 5.4 ESTIMATION OF WAKE FIELD PARAMETERS; 5.5
EFFECTIVE WAKE FIELD; 5.6 WAKE FIELD SCALING
5.7 WAKE QUALITY ASSESSMENT 5.8 WAKE FIELD MEASUREMENT;
REFERENCES AND FURTHER READING; Chapter6 - Propeller Performance
Characteristics; 6.1 GENERAL OPEN WATER CHARACTERISTICS; 6.2 THE
EFFECT OF CAVITATION ON OPEN WATER CHARACTERISTICS; 6.3
PROPELLER SCALE EFFECTS; 6.4 SPECIFIC PROPELLER OPEN WATER
CHARACTERISTICS; 6.5 STANDARD SERIES DATA; 6.6 MULTI-
QUADRANT SERIES DATA; 6.7 SLIPSTREAM CONTRACTION AND FLOW
VELOCITIES IN THE WAKE; 6.8 BEHIND-HULL PROPELLER
CHARACTERISTICS; 6.9 PROPELLER VENTILATION; REFERENCES AND
FURTHER READING; Chapter7 - Theoretical Methods - Basic Concepts
7.1 BASIC AEROFOIL SECTION CHARACTERISTICS 7.2 VORTEX FILAMENTS
AND SHEETS; 7.3 FIELD POINT VELOCITIES; 7.4 THE KUTTA CONDITION;
7.5 THE STARTING VORTEX; 7.6 THIN AEROFOIL THEORY; 7.7 PRESSURE
DISTRIBUTION CALCULATIONS; 7.8 BOUNDARY LAYER GROWTH OVER
AN AEROFOIL; 7.9 THE FINITE WING; 7.10 MODELS OF PROPELLER
ACTION; 7.11 SOURCE AND VORTEX PANEL METHODS; 7.12 EULER,
LAGRANGIAN AND NAVIER-STOKES METHODS; REFERENCES AND
FURTHER READING; Chapter8 - Theoretical and Analytical Methods
Relating to Propeller Action; 8.1 MOMENTUM THEORY - RANKINE
(1865); R.E. FROUDE (1887)
8.2 BLADE ELEMENT THEORY - W. FROUDE (1878)

Sommario/riassunto

Propulsion technology is a complex, multidisciplinary topic with design, construction, operational and research implications. Bringing together a wealth of disparate information from the field, Marine Propellers and Propulsion provides comprehensive and cutting edge coverage to equip marine engineers, naval architects and anyone involved in propulsion and hydrodynamics with the knowledge needed to do the job. Drawing on experience from a long and varied career in consultancy, research, design and technical investigation, author John Carlton breaks the subject into t
