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| 1. Record Nr.           | UNINA9911104708203321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Autore                  | Ekert Paul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Titolo                  | Mastering Adobe Premier Pro CS6 Hotshot : take your video editing skills to new and exciting levels with eight fantastic projects / / Paul Ekert                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Pubbl/distr/stampa      | Birmingham, : Packt Pub., 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ISBN                    | 9781299261570<br>1299261574<br>9781849694797<br>1849694796                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Edizione                | [1st ed.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Descrizione fisica      | 1 recurso en línea (284 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Disciplina              | 006.6<br>006.696                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Soggetti                | Digital video<br>Video recording - Data processing<br>Motion pictures - Editing - Data processing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Note generali           | "Cool projects that will push your skills to the limit"--Cover.<br>Includes index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Nota di contenuto       | Cover; Copyright; Credits; About the Author; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Project 1: Creating a Movie Montage - the Easy Way; Mission Briefing; Why Is It Awesome?; Streamlining Premiere Pro; Music markers matter; Subclips tame video clips; Final preparation; Creating a running order; Fine tuning the edit; Correct aspect ratios; Finishing touches; You Ready To Go Gung HO? A Hotshot Challenge; Project 2: Cutting a Short Film without Getting Stung; Mission Briefing; Creating a story; Three-point edits; Combining three- and four-point edits<br>Refining with the Trim toolCorrecting various problems; Making pictures sing; Adding a movie look; Mission Accomplished; You Ready To Go Gung HO? A Hotshot Challenge; Project 3: Protect the Innocent - Interview Edit Techniques; Mission Briefing; Getting the story right!; Extracting audio fat; Creating a J-cut (away); An L-cut and a UFO!; Reconstructing reconstructions; Bringing night to day; Adding |

viewpoints; Protecting the innocent; Adding lower thirds; Mission Accomplished; You Ready To Go Gung HO? A Hotshot Challenge; Project 4: See the Bigger Picture - Edit Multiple Cameras Mission Briefing Organizing your media; Creating a multi-camera sync point; Activating multi-camera; Creating a multi-camera Timeline; Editing and tuning multi-camera clips; Creating insert clips (PiP); Finishing off; Mission Accomplished; You Ready To Go Gung HO? A Hotshot Challenge; Project 5: Visual Effects - Muzzle Flashes, Laser Beams, and Clones; Mission Briefing; Organizing your project media; Key in the alien robot; Creating an army of clones; Creating a laser beam of doom; Creating a lightning spectacular (freeze frame and lightning ball); Creating a muzzle flash; Adding sound effects Adding various effects to polish the scene Mission Accomplished; You Ready To Go Gung HO? A Hotshot Challenge; Project 6: Visual FX Using Real Media; Mission Briefing; Organizing your media; Adding a new 3D object to your scene; Adding an explosive clip; Manually tracking the explosion; Adding heat glow and smoke; Adding muzzle flashes and laser beams; Creating an explosion tremor and flying figure effect; You Ready To Go Gung HO? A Hotshot Challenge; Project 7: The Ultimate Do-over - Correcting Visual and Audio Problems; Mission Briefing; Correcting white balance issues Correcting color issues Creating an isolated color effect; Using Rolling Shutter Repair for DSLR's; Using Warp Stabilizer as a virtual tripod; Improving audio quality of a sound track; Removing coughs and other disturbances; Trashing audio - altering the sound of a voice; Globally adding audio filters to your Timeline clips; Mission Accomplished; You Ready To Go Gung HO? A Hotshot Challenge; Project 8: Reach the World - Export to DVD, the Internet, and Beyond; Mission Briefing; Exporting audio for refined post work; Creating an animated GIF; Assembling multiple Timelines for final output Adding markers and creating an Encore CS6 compatible export

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## Sommario/riassunto

Designed to be practical and engaging, Mastering Adobe Premiere Pro CS6 is a project-based book to help you truly augment your skills and become a film editing hotshot. If you're just starting out or even migrating from existing video editing software, then this book is for you. With rapid progression through practical examples constructed to be both engaging and useful, Mastering Adobe Premiere Pro CS6 is ideal for learning the sometimes complex workflows of this powerful application.

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| 2. Record Nr.           | UNINA9911106544003321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Titolo                  | Encyclopedia of world trade : from ancient times to the present / /<br>edited by Cynthia Clark Northrup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Pubbl/distr/stampa      | London ; ; New York : , : Routledge, , 2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ISBN                    | 0-7656-8238-9<br>1-84972-515-2<br>1-315-70466-8<br>1-317-47152-0<br>1-78402-826-6<br>9781315704661                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Edizione                | [[Enhanced Credo edition]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Descrizione fisica      | 1 online resource (1,307 pages) : illustrations, maps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Altri autori (Persone)  | NorthrupCynthia Clark <1959->                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Disciplina              | 382/.03<br>382.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Soggetti                | International trade - History<br>Commerce - History                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Note generali           | First published 2005 by M.E. Sharpe.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Nota di bibliografia    | Includes bibliographical references and indexes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Nota di contenuto       | Introduction: World Trade in History -- A-Z Entries -- A -- Abbasid Caliphate (750 / 1258) -- Advertising -- Aegean Sea -- Africa -- Agora -- Agriculture -- Aircraft -- Alexander the Great (356 / 323 B.C. E.) -- Alexandria -- Alphabet, Aramaic -- Alphabet, Cyrillic -- Alphabet, Greek -- Alphabet, Latin -- Alphabet, Phoenician -- Alsace and Lorraine -- Amazon River -- Amber -- Amber Routes -- American Federation of Labor / Congress of Industrial Organizations -- American Revolution -- Amsterdam -- Anglo-Dutch Wars -- Animals -- Appian Way -- Arabs -- Archaeology -- Argentina -- Arkwright, Richard (1732 / 1792) -- Armenians -- Art -- Association of Southeast Asian Nations -- Assyrian Empire -- Astrolabe -- Aswan High Dam -- Athens, Ancient -- Atlantic Trade -- Automobiles -- Aviation -- Aztecs -- B -- Babylonian Empire -- Balance of Trade -- Bantu Migrations -- Bardi House of Banking -- Baroque -- Barter -- Batavia (Jakarta) -- Bell, Alexander Graham (1847 / 1922) -- Berbers -- Berenice -- Bioterrorism -- Black Death -- Black Sea -- Bolshevism -- Bourgeoisie |

-- Boxer Rebellion -- Brazil -- Bribery -- British Commonwealth --  
British East India Company -- British Empire -- British / South  
American Trade Relations -- Buddhism -- Bugis -- Byzantine Empire  
-- C -- Cacao -- Calicut -- Capitalism -- Caravans -- Caribbean --  
Carnegie, Andrew (1835 / 1919) -- Carolingian Empire -- Cartels --  
Cartography -- Castles -- Central Africa -- China -- Chinese Dynasties  
-- Chinese-Japanese Trade -- Chocolate -- Cholera -- Christianity --  
Cities -- Climate -- Climate Change -- Clive, Robert (1725 / 1774) --  
Coffee -- Coinage -- Cold War -- Colonization -- Columbian Exchange  
-- Columbus, Christopher (1451 / 1506) -- Combination Acts (1799,  
1800) -- Comintern -- Communication -- Communism --  
Comparative Advantage -- Compass -- Competition -- Computers --  
Confucius (551 / 479 B.C.E.) -- Constantinople (Byzantium, Istanbul)  
-- Consumerism -- Containment -- Continental System -- Cook,  
James (1728 / 1779) --  
Copper -- Copyright -- Corn -- Corn Laws -- Corporations -- Cotton  
-- Cotton Gin -- Council for Mutual Economic Assistance -- Cowries --  
Crete -- Crimean War (1854 / 1856) -- Crop Rotation -- Cross-Staff  
-- Crusades -- Crystal Palace -- Cuba -- Cuneiform -- Cyprus -- D --  
Danube River -- Dardanelles -- Dark Ages -- Delian League --  
Department Stores -- Diamonds -- Diasporas -- Dirhams -- Disease  
-- Disputes and Arbitration, International -- Donkey -- Drake, Francis  
(1540 / 1596) -- Drugs -- Dutch -- Dyula -- E -- East Asia --  
Economic Consequences of the Peace, The (1919) -- Economics,  
Classical -- Edison, Thomas Alva (1847 / 1931) -- Egypt -- Egypt,  
Ancient -- Electricity -- Elizabeth I (1533 / 1603) -- Embargoes --  
Empire Building -- Energy -- Engels, Friedrich (1820 / 1895) --  
England's Treasure by Foreign Trade (1664) -- Entertainment --  
Etruscans -- European / African Trade -- European / Asian Trade --  
European Trade, Intracontinental -- European Union -- Exchange Rates  
-- Exploration and Trade -- Extraterritoriality -- F -- Fairs,  
International Trade -- Fertilizer -- Festivals and Fairs, Medieval --  
Feudalism -- Finance and Credit -- Financial Institutions -- Flax --  
Florence -- Food and Diet -- Ford Motor Company -- Foreign Aid --  
Frankincense and Myrrh -- Franklin, Benjamin (1706 / 1790) --  
Frederick II -- Free Trade -- Freemasonry -- French Empire -- French  
Revolution -- Fruits -- Fugger Family -- Fur -- G -- Gandhi, Mohandas  
(1869 / 1948) -- Garamantian Empire -- Gemstones -- General  
Agreement on Tariffs and Trade (1947) -- General Electric Company --  
General Theory of Employment, Interest, and Money, The (1936) --  
Genoa -- German Empires -- Ghana -- Ghaznavids -- Glass --  
Globalization -- Gold -- Gold Standard -- Goths -- Grain -- Great  
Depression -- Greater East Asia Co-Prosperity Sphere -- Greek City-  
States -- Guangzhou (Canton) -- Guano -- Gunpowder -- H -- Haiti  
-- Hakluyt, Richard (1552 / 1616) -- Hamburg -- Hanseatic League --  
Hapsburgs -- Harbors --  
Hargreaves, James (1720 / 1777) -- Heckscher, Eli Filip (1879 / 1952)  
-- Hellenistic Architecture -- Hemp -- Henry the Navigator (1394 /  
1460) -- Hinduism -- Hittite Empire -- Hohenstauffen Empire --  
Hollywood -- Hong Kong -- Hundred Years' War -- I -- Illegal Trade --  
Immigration -- Imperialism -- Incas -- Indentured Servants -- Indian  
Ocean Trade -- Indigo -- Indus River -- Industrial Revolution --  
Industrialism -- Inflation -- Insurance -- Intellectual Property --  
Internal Combustion Engine -- International Monetary Fund --  
International Trade Commission -- Internet -- Iron -- Iron Law of  
Wages -- Irrigation -- Isabella of Castile (1451 / 1504) -- Islam --  
Ivory -- Ivory Coast -- J -- Jade -- Jews -- Joint-Stock Companies --  
Judaism -- Jute -- K -- Keynes, John Maynard (1883 / 1946) -- Khan,

Genghis (1162 / 1229) -- Khazar Empire -- Kilwa -- Kipling, Rudyard (1865 / 1936) -- Knights Templar -- Kolkata (Calcutta) -- Kush -- L -- Labor -- Laissez-Faire -- Law -- Leather -- Linear B Script -- Linen -- List, Georg Friedrich (1789 / 1846) -- Livestock -- Luddites -- M -- Madras -- Magellan, Ferdinand (1480 / 1521) -- Mali -- Malthus, Thomas Robert (1766 / 1834) -- Manchu Dynasty -- Manila -- Manila Galleons -- Market Revolution -- Marketplaces -- Marshall Plan -- Marx, Karl (1818 / 1883) -- Mayan Civilization -- Media -- Medici Family -- Medicine -- Mediterranean Sea -- Melaka -- Mercantilism -- Merchant Guilds -- Mesopotamian Architecture -- Mesopotamian Trade -- Middle Ages -- Migration, Human -- Milan -- Mill, John Stuart (1806 / 1873) -- Ming Dynasty -- Minoan Civilization -- Missionaries -- Mogadishu -- Molasses -- Money -- Mongol Invasions -- Monuments -- Mughal Empire -- Multinational Enterprise -- Mycenae -- N -- Napoleonic Wars -- Navigation -- Navigation Laws -- Netherlands -- New Imperialism -- Nile River -- Nineveh -- Nomads -- Nontarrif Barriers -- North American Free Trade Agreement (1994) -- Novgorod -- Nuts -- O -- Oases -- Oil -- Olives -- Open Door Notes -- Opium -- Ottomans -- P -- Panama Canal -- Paper and Pulp -- Patents -- Pegolotti, Francesco Balducci (1315 / 1340) -- Pepper -- Perfume -- Persian Gulf -- Peter the Great (1672 / 1725) -- Petra -- Phoenicia -- Pilgrimages -- Piracy -- Pochteca -- Polo, Marco (1254 / 1324) -- Pony Express -- Population -- Portugal -- Potatoes -- Pottery -- Printing Press -- Protestantism -- Punic Wars -- Q -- Quadrant -- R -- Radanites -- Rae, John (1796 / 1872) -- Ragusa, Republic of (Dubrovnik) -- Railroads -- Reciprocity -- Redistribution -- Reformation -- Religion -- Renaissance -- Revolutions -- Ricardo, David (1772 / 1823) -- Rice -- Roman Catholic Church -- Roman Empire -- Roman Empire, Fall of -- Rothschilds -- Royal Niger Company -- Rum -- Russian Revolution -- S -- Saharan and Trans-Saharan Trade -- Salt -- Sculpture -- Service Sector -- Seven Years' War -- Shanghai -- Ships -- Shipwrecks -- Sicily -- Silk -- Silk Road -- Silver -- Singer, Isaac (1811 / 1875) -- Slavery -- Slaves, Plantation -- Smith, Adam (1723 / 1790) -- Smoot-Hawley Tariff (1930) -- Socialism -- Songhai Empire -- South Africa -- South America -- Southeast Asia -- Soviet / African Trade Relations -- Soviet Union -- Soybeans -- Spanish Empire -- Spice Route -- Spices -- Srivijaya Empire -- Steam Engine -- Steamship -- Steel -- Suez Canal -- Sugar -- Surat -- T -- Tally Sticks -- Tariff Barriers -- Tariffs -- Tea -- Technology -- Telegraph -- Telephone -- Terrorism -- Teutonic Knights -- Textiles -- Timber/Sorochoch -- Tin -- Tobacco -- Tortoiseshell -- Tourism -- Trade Organizations -- Trade Winds -- Trademarks -- Transactions Costs -- Transportation and Trade -- Triangle Trade -- Tunisia -- U -- United Nations -- United States -- U. S. / China Trade -- U.S. / Japanese Trade Relations -- V -- Venice -- Vikings -- Volga Bulgaria -- W -- War of 1812 -- Warfare -- Wars for Empire -- Water -- Wealth -- Weapons -- Weights and Measures -- West Africa -- Whales -- Whitney, Eli (1765 / 1825) -- Wine -- Women -- Wood -- Wool -- World Bank -- World Trade Organization -- World War I -- World War II -- Primary Documents -- Code of Hammurabi (18th Century B.C.E.) -- Pope Urban II Initiates the First Crusade (1095) -- Papal Edicts on Usury (1139 and 1179) -- Francesco Pegolotti's Merchant Handbook, Excerpts (1340s) -- Canon Law Concerning Usury Used to Break Contracts (1369) -- Columbus's Journal, First Voyage, Excerpts (1492) -- Treaty of Tordesillas (1494) -- Instructions on Selling Indulgences (1517) -- Colonial Charter to Sir Walter Raleigh

(1584) -- British East India Company Charter (1600) -- Sir Edwin Sandys's Report from the Committee on Free Trade (1604) -- English Trade in Japan, Excerpts from a Merchant's Journal (1615) -- Dutch East India Company Charter (1621) -- Sir Thomas Culpepper's Tract Against Usury (1621) -- Sir Thomas Roe's Speech on the Decay of Trade (1641) -- On Bills of Exchange, Tract by John Marius (1655) -- Navigation Acts of 1660 and 1663, Excerpts -- Colbert on Mercantilism (1664) -- Treaty of Utrecht, Article X (1713) -- The Merchant Adventurers' Views on Free Trade (1716) -- Treaty of Paris (1763) -- Sugar Act of 1764 -- Stamp Act of 1765, Article 1 -- British Tea Act of 1773 -- The Wealth of Nations, by Adam Smith, Excerpt (1776) -- "Essay on the Principles of Population," by Thomas Malthus, Excerpt (1798) -- Louisiana Purchase (1803) -- Berlin Decree (1806) -- An Act for the Abolition of the Slave Trade, British Parliament (1807) -- Milan Decree (1807) -- Contract between the St. Louis Missouri Fur Company and Thomas James (1809) -- "Observations on the Effects of the Corn Laws," by Thomas Malthus, Excerpt (1814) -- David Ricardo on the Iron Law of Wages (1817) -- Treaty of Nanjing (1842) -- An Act for the More Effectual Suppression of the Slave Trade, British Parliament (1843) -- Friedrich Engels on Protective Tariffs or Free Trade System (1847) -- Karl Marx's Speech on Free Trade, January 9, 1848 -- Communist Manifesto, by Karl Marx and Friedrich Engels, Excerpt (1848) -- Royal Niger Company Contract (1886) -- Convention Respecting the Free Navigation of the Suez Maritime Canal (1888) -- First Open Door Note (1899) -- Panama Canal Treaty of 1903 -- Federal Reserve Act (1913) -- Economic Consequences of the Peace, by John Maynard Keynes, Excerpt (1919) -- Statute of Westminster (1931) -- Franklin D. Roosevelt on the Smoot-Hawley Tariff (1932) -- Herbert Hoover's Response to Franklin D. Roosevelt on the Smoot-Hawley Tariff (1932) -- Neutrality Act of 1935 -- Nye Committee Report (1936) -- General Agreement on Tariffs and Trade (1947) -- Constitution of the French Community (1958) -- ASEAN Declaration (1967) -- Panama Canal Treaty of 1977 -- Ronald Reagan's "Evil Empire" Speech (1982) -- Enterprise for the Americas Initiative, George H.W. Bush (1990) -- Agreement Establishing the World Trade Organization (1995) -- Ministerial Declaration, World Trade Organization, Doha Round of Negotiations (2001) -- G20 Declaration, Summit on Financial Markets and the World Economy (2008) -- Copenhagen Accord, United Nations Climate Change Conference (2009) -- Chronology -- Glossary -- Master Bibliography -- Books and Articles -- Web Sites.

## Sommario/riassunto

This exhaustive four-volume set is the definitive reference on the history of trade in all time periods. It traces the historical and contemporary interaction of trade, commerce, and culture in fascinating detail.

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| 3. Record Nr.           | UNINA9911139764703321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Autore                  | Ogawa Kohei                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Titolo                  | Chemical engineering : a new perspective / / Kohei Ogawa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Pubbl/distr/stampa      | Elsevier Science & Technology, 2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ISBN                    | 1-281-01304-8<br>9786611013042<br>0-08-049421-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Edizione                | [1st ed.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Descrizione fisica      | 1 online resource (191 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Disciplina              | 660.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Soggetti                | Chemical engineering<br>Entropy (Information theory)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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 (p. [167]-169) and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Nota di contenuto       | Front Cover; Chemical Engineering A New Perspective; Copyright Page; Table of Contents; List of Figures; List of Tables; Preface; Chapter 1 Information Entropy; 1.1 Introduction; 1.2 History and expectation; 1.3 Information; 1.4 Amount of information; 1.5 Average amount of information before reporting the result; 1.6 Information entropy based on continuous variable; 1.7 Probability density distribution function for the maximum information entropy; 1.8 Sensitiveness of human experience for quantity and information entropy; 1.9 Summary; Chapter 2 Mixing Phenomena; 2.1 Introduction<br>2.2 Index for evaluation of mixing performance<br>2.3 Evaluation of mixing performance based on transition response method; 2.4 Evaluation of mixing performance based on transition probability of inner substance; 2.5 Evaluation of mixing performance of multi-component mixing; 2.6 Summary; Chapter 3 Separation Phenomena; 3.1 Introduction; 3.2 Definition of separation efficiency; 3.3 Summary; Chapter 4 Turbulent Phenomena; 4.1 Introduction; 4.2 Probability density distribution function for velocity fluctuation; 4.3 Energy spectrum probability density distribution function<br>4.4 Scale of turbulence and turbulent diffusion<br>4.5 Scale-up; 4.6 Energy spectrum density distribution function of non-Newtonian liquid; 4.7 Summary; Chapter 5 Particle Size Distribution; 5.1 Introduction; 5.2 |

Particle size probability density distribution function (PSD function); 5.3 Eddy size distribution in a turbulent flow; 5.4 Summary; Chapter 6 Anxiety/Expectation; 6.1 Introduction; 6.2 Safety and anxiety; 6.3 Evaluation index of anxiety/expectation; 6.4 Utilization method and usefulness of newly defined degree of anxiety; 6.5 Decision-making regarding daily insignificant matters 6.6 SummaryReferences; Epilogue; Index

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## Sommario/riassunto

Chemical engineering has often been referred to as a study in methodology. Approaches in chemical engineering are determined by individual phenomena/processes, and each of these are studied individually. The phenomena that are treated in chemical engineering can be classified into two groups:(1) phenomena that are definite and can be expressed by formulas such as differential equations (2) phenomena that can be expressed only by probability terms. The focus of Chemical Engineering - A new Perspective is on ""information entropy"". The main themes covered are mixing, separation, tur

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