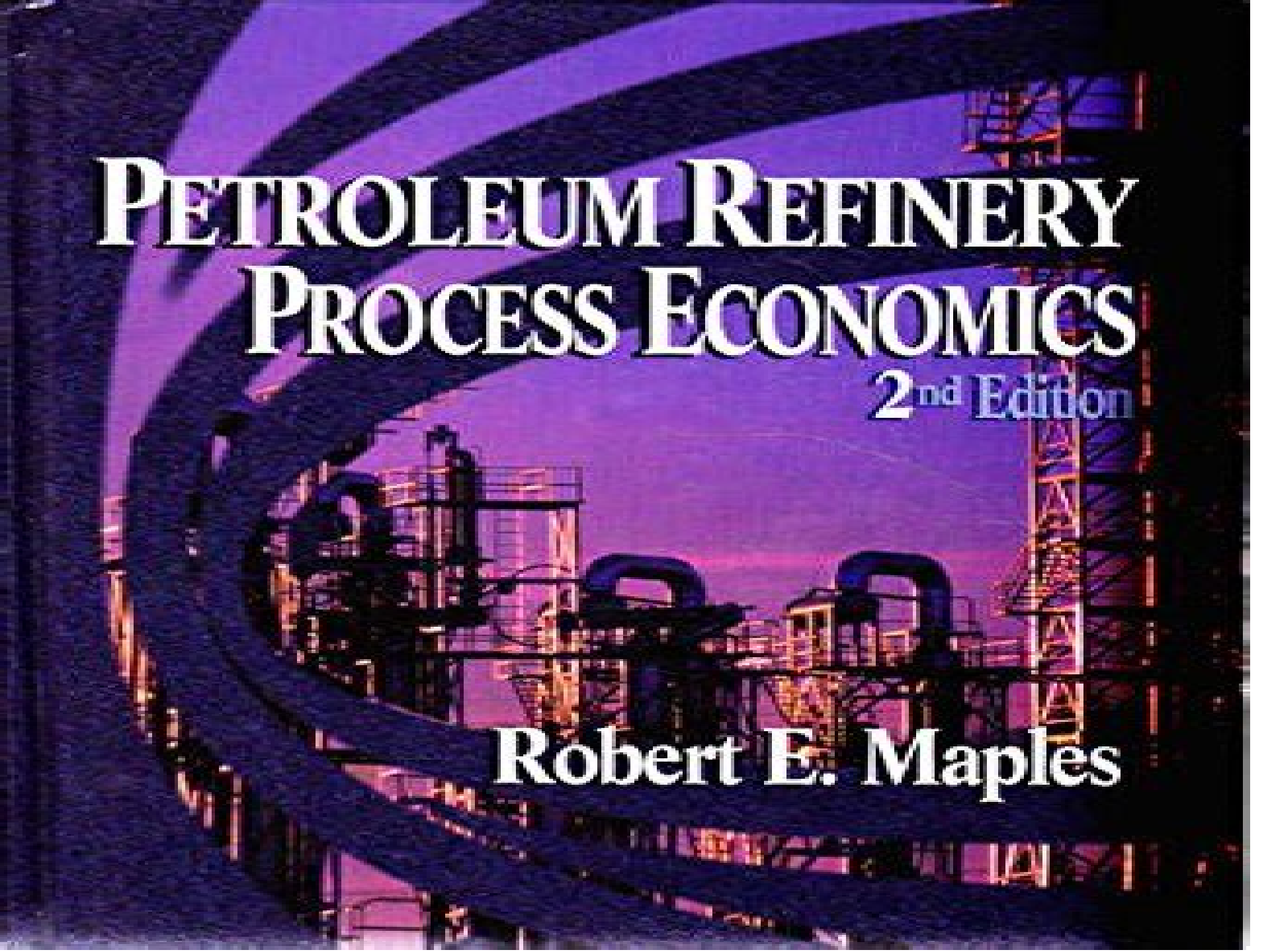


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2nd Edition

Robert E. Maples

Petroleum Refinery Process Economics 2nd Edition

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Encyclopedia of Energy Technology and the Environment Attilio Bisio, Sharon Boots, 1995 Technical Progress and Profits John Lawrence Enos, 2002 Throughout the twentieth century the technology employed by the petroleum refining industry has been advancing rapidly yet it has generally escaped study Whatever the explanation for its scholarly neglect the advances that have been secured over the century have enabled the producers of petroleum products to meet the ever increasing demands for their products throughout the world No other manufactured goods are so universally and so cheaply available This book concentrates on the technical changes that have been secured in the second half of this century using as its basis the main petroleum refining process Fluid Catalytic Cracking Both technological and economic aspects are examined over the sixty years of the process's history and in a novel attempt related the one to the other an accomplishment that reveals more about the technology and the economics rather than either engineering or economic analysis would separately Technology and economics are connected in the real world in this study they are connected in their exposition As in conventional economic history technological improvements are summarized and their sources and consequences determined In addition the long term pattern of costs and profits is displayed and regular measurements are taken throughout so that experience can be seen as the continuous unfolding of industrial progress *Energy Technology* Richard F. Hill, 1982 A Recursive Programming Model for the Development of U.S. Petroleum Refining Capacity Malcolm A.

Lindsay,1974 **The Energy Journal** ,2001 Handbook of Petroleum Refining Processes, Fourth Edition Robert A. Meyers,2016-03-18 This fully revised resource presents the latest technologies and processes for petroleum refining from the world s leading producers Handbook of Petroleum Refining Processes has become a key reference in the chemical and petroleum engineering markets The book is unique in that it presents licensable technologies for the refining of petroleum and production of environmentally acceptable fuels and petrochemical intermediates The new edition covers the gamut of global refining technologies in light of recent changes to the sources of these fuels as well as the most up to date global environmental regulations Contributions come from such major licensors of petroleum refining technology as UOP Inc Shell ExxonMobil Research and Engineering Company EMRE Chevron Lummus Global Phillips 66 Belco BP and others The new edition shifts its emphasis to accommodate the increased production of shale gas and shale oil which is changing the overall mix of hydrocarbon feeds Declining conventional crude production and the need for regional energy independence continues to drive demand to use lower cost alternate feedstocks such as coal shale oil and heavy crude To use alternate feedstocks in existing refineries many processes need to be modified The increase in diesel demand and stricter fuel specifications is driving refiners to look for ways to produce higher yields from existing assets The book reflects these factors plus the increase in residue conversion hydrocracking evolving as a primary conversion process and hydrotreating increasing as a way to treat virgin and cracked middle distillate streams Offers detailed description of process chemistry and thermodynamics and product by product specifications of plants Contributors are drawn from the largest petroleum producers in the world including Chevron Shell ExxonMobil and UOP Covers the very latest technologies in the field of petroleum refining processes and the shift toward shale gas and oil A complete listing and explanation of licensable global technologies for the refining of petroleum and the production of environmentally acceptable fuels and petrochemical intermediates Provides product by product specifications and process economics capital investment annualized capital costs and the price range for each product Subject Guide to Books in Print ,1993 New Encyclopædia Britannica: Macropædia ,1997 **Books in Print** ,1991 American Book Publishing Record ,2000-07 **The New Encyclopaedia Britannica: Macropaedia : Knowledge in depth** ,2003 Process / Industrial Instruments and Controls Handbook, Sixth Edition Gregory K. McMillan,P. Hunter Vegas,2019-04-12 Extensive practical plant based knowledge to achieve the best automation systemBACK COVER DESCRIPTION This fully updated on the job reference contains all the automation and control information you need to make timely decisions and maximize process capacity and efficiency Featuring contributions from 50 top technical experts Process Industrial Instruments and Controls Handbook Sixth Edition covers the latest technologies and advances More importantly the book helps you select the right instrumentation install and maintain it correctly and leverage it to maximize plant performance and profitability You will get all you need to know to execute a successful automation project including time saving tables lists of essential best practices and hundreds of topic defining

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