

1. Record Nr.	UNINA9910464658503321
Autore	Allemeersch Paul
Titolo	Polymerisation of ethylene : in slurry loop reactors // Paul Allemeersch
Pubbl/distr/stampa	Berlin ; ; Boston : , : Walter de Gruyter GmbH & Co., KG, , [2015] ©2015
ISBN	1-68015-767-1 3-11-038886-3 3-11-029219-X
Descrizione fisica	1 online resource (206 p.)
Disciplina	668.4/23
Soggetti	Polyethylene Ethylene Polymers 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 matter -- Preface -- Contents -- 1. Introduction to the Slurry Loop Process -- 2. The Loop Reactor Circulation Pump Power -- 3. The Functioning of the Settling Legs -- 4. The Settling of the Polymer in the Settling Legs -- 5. Catalyst Activity and Productivity -- 6. The 1/1 Hypothesis -- 7. Catalyst Residence Time Distribution -- 8. Catalyst Activity Profiles from Full Scale Loop Data -- 9. Conversions of the Reactants -- 10. The Ethylene Concentration Profile in the Loop Reactor -- 11. A Simple Model for the Slurry Loop Reactor -- 12. Establishing Correlations from Loop Reactor Data by Linear Regression -- 13. Scaling-Up from Bench Reactor to Loop Reactor -- 14. The Operation of Two Loop Reactors in Series -- Index
Sommario/riassunto	This book presents all information necessary to understand the functioning of a slurry loop reactor for the polymerisation of ethylene into high density polyethylene, and to operate it accordingly. All discussions are based on experimental data from the operation of full scale commercial loop reactors. Methods for off-line modelling and scaling-up from lab to full scale are included, as well as the answers to important questions on the running of two loop reactors in series.

Building knowledge from full scale industrial experience. This highly accessible book makes one understand the functioning of slurry loop reactors for the polymerisation of ethylene, and how to operate them. Its methods include off-line modelling, scaling-up and running reactors in series. It is inspiring for all production and process engineers, showing, for the first time, how with full scale reactor data the link is made between firm basic theory and the most practical operating guidelines.

2. Record Nr.	UNINA9910778847403321
Titolo	Ethnomathematics : challenging Eurocentrism in mathematics education // Arthur B. Powell, Marilyn Frankenstein, editors
Pubbl/distr/stampa	Albany : , : State University of New York Press, , 1997 ©1997
ISBN	1-4384-1641-5 0-585-07569-7
Descrizione fisica	1 online resource (xxi, 440 pages) : illustrations
Altri autori (Persone)	PowellArthur B FrankensteinMarilyn
Disciplina	510/.7
Soggetti	Ethnomathematics Eurocentrism Mathematics - Study and teaching
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	CONTENTS; ACKNOWLEDGMENTS; FOREWORD by U. D'Ambrosio; INTRODUCTION by Arthur B. Powell and Marilyn Frankenstein; SECTION I: ETHNOMATHEMATICAL KNOWLEDGE by Arthur B. Powell and Marilyn Frankenstein; 1. Ethnomathematics and its Place in the History and Pedagogy of Mathematics by Ubiratan D'Ambrosio; 2. Ethnomathematics by Marcia Ascher and Robert Ascher; SECTION II: UNCOVERING DISTORTED AND HIDDEN HISTORY OF MATHEMATICAL KNOWLEDGE by Arthur B. Powell and Marilyn Frankenstein; 3.

Foundations of Eurocentrism in Mathematics by George Gheverghese Joseph

4. Animadversions on the Origins of Western Science by Martin Bernal;

5. Africa in the Mainstream of Mathematics History by Beatrice

Lumpkin; SECTION III: CONSIDERING INTERACTIONS BETWEEN CULTURE

AND MATHEMATICAL KNOWLEDGE by Arthur B. Powell and Marilyn

Frankenstein; 6. The Myth of the Deprived Child: New Thoughts on Poor

Children by Herbert P. Ginsburg; 7. Mathematics and Social Interests by

Brian Martin; 8. Marx and Mathematics by Dirk J. Struik; SECTION IV:

RECONSIDERING WHAT COUNTS AS MATHEMATICAL KNOWLEDGE by

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9. Difference, Cognition, and Mathematics Education by Valerie

Walkerdine; 10. An Example of Traditional Women's Work as a

Mathematics Resource by Mary Harris; 11. On Culture, Geometrical

Thinking and Mathematics Education by Paulus Gerdes; SECTION V:

ETHNOMATHEMATICAL PRAXIS IN THE CURRICULUM by Arthur B. Powell

and Marilyn Frankenstein; 12. Ethnomathematics and Education by

Marcelo C. Borba; 13. Mathematics, Culture, and Authority by Munir

Fasheh; 14. Worldmath Curriculum: Fighting Eurocentrism in

Mathematics by S. E. Anderson; 15. World Cultures in the Mathematics

Class by Claudia Zaslavsky

SECTION VI: ETHNOMATHEMATICAL RESEARCH by Arthur B. Powell and

Marilyn Frankenstein; 16. Survey of Current Work on Ethnomathematics

by Paulus Gerdes; 17. Applications in the Teaching of Mathematics and

the Sciences by Rik Pinxten; 18. An Ethnomathematical Approach in

Mathematical Education: A Matter of Political Power by Gelsa Knijnik;

AFTERWORD by Gloria E Gilmer; CONTRIBUTORS; INDEX
