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| | Nota di contenuto | FRONT COVER; ABOUT THE AUTHORS; AAP RESEARCH NOTES ON CHEMICAL ENGINEERING; BOOKS IN THE AAP RESEARCH NOTES ON CHEMICAL ENGINEERING SERIES; CONTENTS; LIST OF ABBREVIATIONS; LIST OF SYMBOLS; PREFACE; PART I - DYNAMIC SCRUBBERS; CHAPTER 1 - MODERN METHODS OF INTENSIFICATION AND DUST CLEARING EFFICIENCY RAISE; CHAPTER 2 - NUMERICAL SIMULATION AND CALCULATION OF DISTRIBUTION OF THE FLOW RATE OF GAS IN THE APPARATUS; CHAPTER 3 - EXPERIMENTAL RESEARCH STUDIES AND HYDRAULIC RESISTANCE CALCULATION; CHAPTER 4 - OPTIMIZATION OF SPEED AND DIRECTION OF TWIRL OF BLADES OF A VORTEX GENERATOR <br> CHAPTER 5 - EFFECT OF DESIGN DATA OF BLADES OF A VORTEX GENERATOR ON EFFICIENCY OF CLEARING OF GASCHAPTER 6 - SAMPLING OF AN OPTIMUM RULE OF AN IRRIGATION CANAL FOR LIQUID SUPPLY IN THE APPARATUS; CHAPTER 7 - DERIVATION OF AN |

EQUATION OF TRAFFIC OF DISPERSION PARTICLES AND CALCULATION OF FRACTIONAL EFFICIENCY OF CLEARING OF GAS; CHAPTER 8 - RECOMMENDATIONS FOR DESIGNING, CALCULATION, AND INDUSTRIAL USE OF A DYNAMIC SCRUBBER; PART II - DUST EXTRACTORS OF SHOCK-INERTIAL ACT; CHAPTER 9 - ORGANIZATION OF HYDRODYNAMIC INTERACTION OF PHASES IN DUST EXTRACTORS WITH INNER CIRCULATION OF A LIQUID

CHAPTER 10 - EXPERIMENTAL RESEARCH AND CALCULATION OF EFFICIENCY OF SEDIMENTATION OF DISPERSION PARTICLES IN A ROTOKLONCHAPTER 11 - MATHEMATICAL MODELING OF TRAFFIC OF DISPERSION PARTICLES IN BLADE IMPELLERS; CHAPTER 12 - AERODYNAMIC PROFILING OF BLADES OF AN IMPELLER; CHAPTER 13 - EXPERIMENTAL RESEARCH AND CALCULATION OF BOUNDARY CONCENTRATION OF AN IRRIGATING LIQUID; CHAPTER 14 - TECHNICAL AND ECOLOGICAL ASSESSMENT OF SAMPLING OF SYSTEM OF CLEARING OF GAS; PART III - BUBBLING-VORTEX APPARATUSES; CHAPTER 15 - SURVEY OF ALTERNATIVES OF A DESIGN OF VORTEX GENERATORS

CHAPTER 16 - AERODYNAMICS OF VORTEX APPARATUSESCHAPTER 17 - EFFECT REGIME-DESIGN DATA ON EFFICIENCY OF CLEARING OF GAS AND A HYDRAULIC RESISTANCE; CHAPTER 18 - EFFECT OF CONCRETION ON PROCESS OF SEDIMENTATION OF CORPUSCLES OF A DUST; CHAPTER 19 - MATHEMATICAL SIMULATION OF PROCESS OF SEPARATION OF DISPERSION PARTICLES AND CHECK OF ADEQUACY OF MATHEMATICAL MODEL; CHAPTER 20 - MODERNIZING AND COMMERCIAL OPERATION OF INSTALLATIONS FOR REFINING OF GAS EMISSIONS; BACK COVER

| Sommario/riassunto | Processes for clearing gases from dust in wet-type dust separators are widely applied in many industries for technological purposes and environmental control. Among goals of these processes is to ensure high efficiency of dust removal with minimum energy costs. This book presents the newest scientific research data under the theory and practice of wet clearing of industrial gases from dispersion particles. The authors consider the modern aspects of the separation process and gas-dispersed impurities.The book covers three main sections on working out and research of the following types of wet g |