

1. Record Nr.	UNINA9910830527303321
Autore	Bonem Joe M
Titolo	Process engineering problem solving [[electronic resource]] : avoiding "the problem went away, but it came back" syndrome // Joe M. Bonem
Pubbl/distr/stampa	Hoboken, NJ, : John Wiley, 2008
ISBN	1-281-76674-7 9786611766740 0-470-37806-9 0-470-37805-0
Descrizione fisica	1 online resource (297 p.)
Disciplina	660.281 670.42
Soggetti	Engineering mathematics Mathematical analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	PROCESS ENGINEERING PROBLEM SOLVING; CONTENTS; Preface; 1 Initial Considerations; 2 Limitations to Plant Problem Solving; 3 Successful Plant Problem Solving; 4 Examples of Plant Problem Solving; 5 Development of Working Hypotheses; 6 Application to Prime Movers; 7 Application to Plate Processes; 8 Application to Kinetically Limited Processes; 9 Application to Unsteady State; 10 Verification of Process Instrumentation Data; 11 Successful Plant Tests; 12 Utilization of Manual Computation Techniques; 13 Putting It Altogether; 14 A Final Note; Index
Sommario/riassunto	Avoid wasting time and money on recurring plant process problems by applying the practical, five-step solution in Process Engineering Problem Solving: Avoiding ""The Problem Went Away, but it Came Back"" Syndrome. Combine cause and effect problem solving with the formulation of theoretically correct working hypotheses and find a structural and pragmatic way to solve real-world issues that tend to be chronic or that require an engineering analysis. Utilize the fundamentals of chemical engineering to develop technically correct working hypotheses that are key to successful problem solving

