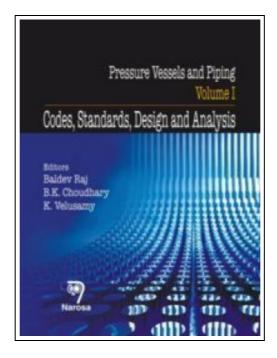
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Reviews

Very useful for all group of people. It is amongst the most incredible pdf i actually have read through. Its been written in an extremely straightforward way and it is just right after i finished reading through this pdf by which basically modified me, change the way i think. (Felicia Nikolaus)

PRESSURE VESSELS AND PIPING, VOL. I: CODES, STANDARDS, DESIGN AND ANALYSIS



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Narosa Publishing House, 2009. Hardcover. Condition: New. Innovative design coupled with realistic analysis is an important step towards achieving robust, safe and economical pressure vessels and piping technology. This volume of Pressure Vessels and Piping: Codes, Standards, Design and Analysis, is an effort to share the recent advances in design approaches, current issues in the design of special equipments such as valves, supports, bellows, gaskets etc., structural integrity, and life prediction and assessment methodologies for pressure vessel components. Critical examination of design codes, standards and their impending improvements along with material issues have been highlighted in several reviews. Recent advances in theoretical finite element modelling along with testing and evaluation of critical components envisaged for operation in hostile and inaccessible environments have been presented through several original contributions. The book is a valuable source of knowledge and inspiration to students, scientists, design engineers, plant personnel and technology managers. Table of Contents Foreword / Preface / Challenges to material scientists and technologists for robust and economical fast reactor technology / Design and materials issues in relation to pressure vessel codes / Safety factors for global pressure equipment / The application of the linear matching method to the life assessment method R5: a comparison / Overview of research activities in BARC related to structural integrity of piping / Investigation of structural mechanics failure modes in FBRs / Multi-scale analytical modelling of pressure vessel materials / Determination of B2` stress Indices for elbows using plastic nonlinear dynamic finite element analysis / Seismic fragility of pressure vessel for combined failure modes / Seismic testing and analyses on piping loop with relevance to recent changes in ASME section-III for level-D service conditions / Design philosophy of liquid metal heat exchangers in FBRS / Design and manufacture of P



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