

Advances in the Analysis and Design of Concrete Structures, Metal Containments and Liner Plate for Extreme Loads

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INTRODUCTION

The material presented herein summarizes the progress that has been made in the analysis, design, and testing of concrete structures.

The material is summarized in the following documents:

- Part I - Containment Design Criteria and Loading Combinations
J. D. Stevenson - Stevenson and Associates,
Cleveland, Ohio, USA
- Part II - Reinforced and Prestressed Concrete Behavior -
J. Eibl and M. Curbach - Karlsruhe University,
Karlsruhe, F.R.G.
- Part III - Concrete Containment Analysis, Design and Related
Testing - T. E. Johnson and M. A. Daye - Bechtel
Power Corporation, Gaithersburg, Maryland, USA
- Part IV - Impact and Impulse Loading and Response Prediction -
J. D. Riera - School of Engineering - UFRGS, Porto
Alegre, RS, Brazil
- Part V - Metal Containments and Liner Plate Systems -
N. J. Krutzik - Seimens AG, Offenbach Am Main, F.R.G.
- Part VI - Prestressed Reactor Vessel Design, Testing and
Analysis - J. Nemet - Austrian Research Center,
Seibersdorf, Austria and K. T. S. Iyengar - Indian
Institute of Science, Bangalore, India

The references quoted herein are primarily from Divisions H & J of the last nine SMiRT conferences. The following notation will be used for references:

- o [H 3/7 (1)] - Volume H, Paper 1/3, 1st SMiRT Conference
- o [H /p15 (9)] - Volume H, Page 15, 9th SMiRT Conference