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Building Code Requirements for Reinforced Concrete (ACI 318-89) and Commentary, ACI 318R-89Building Code Requirements for Reinforced Concrete, ACI 318-89, and Commentary ACI 318R-89Notes on ACI 318-89, Building Code Requirements for Reinforced ConcreteWith Design ApplicationsBuilding Code Requirements for Reinforced Concrete (ACI 318-89) and Commentary - ACI 318R-89Building Code Requirements for Reinforced Concrete (ACI 318-89) and Commentary - ACI 318R-89Building Code Requirements for Reinforced Concrete (ACI 318-89) and Commentary ACIR-89)Building Code Requirements for Reinforced Concrete With CommentaryAci 318-89, ANSI 318R-89Building Code Requirements for Reinforced Concrete (ACI 318-89) (revised 1992) and Commentary-ACI318R-89 (revised 1992).Building Code Requirements for Reinforced Concrete (ACI 318-89) (Revised 1992) and Commentary - ACI 318R-89 (Revised 1992)Building Code Requirements for Reinforced Concrete (ACI 318-89) (revised 1992) and Commentary - ACI 318R-89 (revised 1992)ASTM Standards in ACI 301and 318ACI 301-89 -Structural Concrete Specifications, ACI 318-89 -Building Code RequirementsDesign Handbook in Accordance with the Strength Design Method of ACI 318["Building Code Requirements for Reinforced Concrete"; Version 1971 (ACI 318-71), 1977 (ACI 318-77), 1983 (ACI 318-83), 1989 (ACI 318-89) ...]. ColumnsSeismic Design of Reinforced Concrete Structures for Controlled Inelastic ResponseDesign ConceptsThomas Telford

"In 1993, the CEB Commission 2 Material and Behavior Modelling established the Task Group 2.5 Bond Models. It's terms of reference were ... to write a state-of-art report concerning bond of reinforcement in concrete and later recommend how the knowledge could be applied in practice (Model Code like text proposal)... {This work} covers the first part ... the state-of-art report."--Pref.

This detailed guide is designed to enable the reader to understand the relative importance of the numerous parameters involved in seismic design and the relationships between them, as well as the motivations behind the choices adopted by the codes.

Emphasizing a conceptual understanding of concrete design and analysis, this revised and updated edition builds the student?s understanding by presenting design methods in an easy to understand manner supported with the use of numerous examples and problems. Written in intuitive, easy–to–understand language, it includes SI unit examples in all chapters, equivalent conversion factors from US customary to SI throughout the book, and SI unit design tables. In addition, the coverage has been completely updated to reflect the latest ACI 318–11 code.

Punching is considered to be one of the most difficult problems in structural concrete design and mechanical models or theoretical analyses were developed rather late in the history of concrete research attempts. This fib Bulletin reviews the development of design models and theoretical analyses since the CEB Bulletin 168 Punching Shear in Reinforced Concrete - State-of-the-Art Report published in 1985. The role of the concrete tensile strength was specially addressed. In this respect the present bulletin is also following-up the CEB Bulletin 237 Concrete Tension and Size Effects - Utilisation of concrete tension in structural concrete design and relevance of size effect - Contributions from CEB Task Group 2.7 published in 1997. Apart from new theoretical developments a comprehensive databank for comparisons with experimental evidence is included. About 400 punching tests were critically reviewed and evaluated in a consistent manner. This is thought to be the first step towards a generally agreed selection of reliable tests. The evident value of such a data bank is illustrated by comparisons carried out between the data and some of the analytical proposals as well as empirical code formulas. List of contents : (1) Introduction, (2) Code equations, (3) Mechanical models for punching, (4) New developments for mechanical models, (5) Numerical investigations, (7) Comparison of mechanical models and test results of slabs without shear reinforcement, (8) Comparison of code rules and tests of flat slabs without shear reinforcement, (9) Comparison of codes, models and tests of flat slabs with shear reinforcement, (10) Experimental investigations, (11) Summary and conclusions, References, Appendices : (I) Databank on slabs without shear reinforcement, (II) Databank on slabs with shear reinforcement, (III) Comparison of test data with code rules, (IV) Comparison of test data with selected models, (V) Notations.