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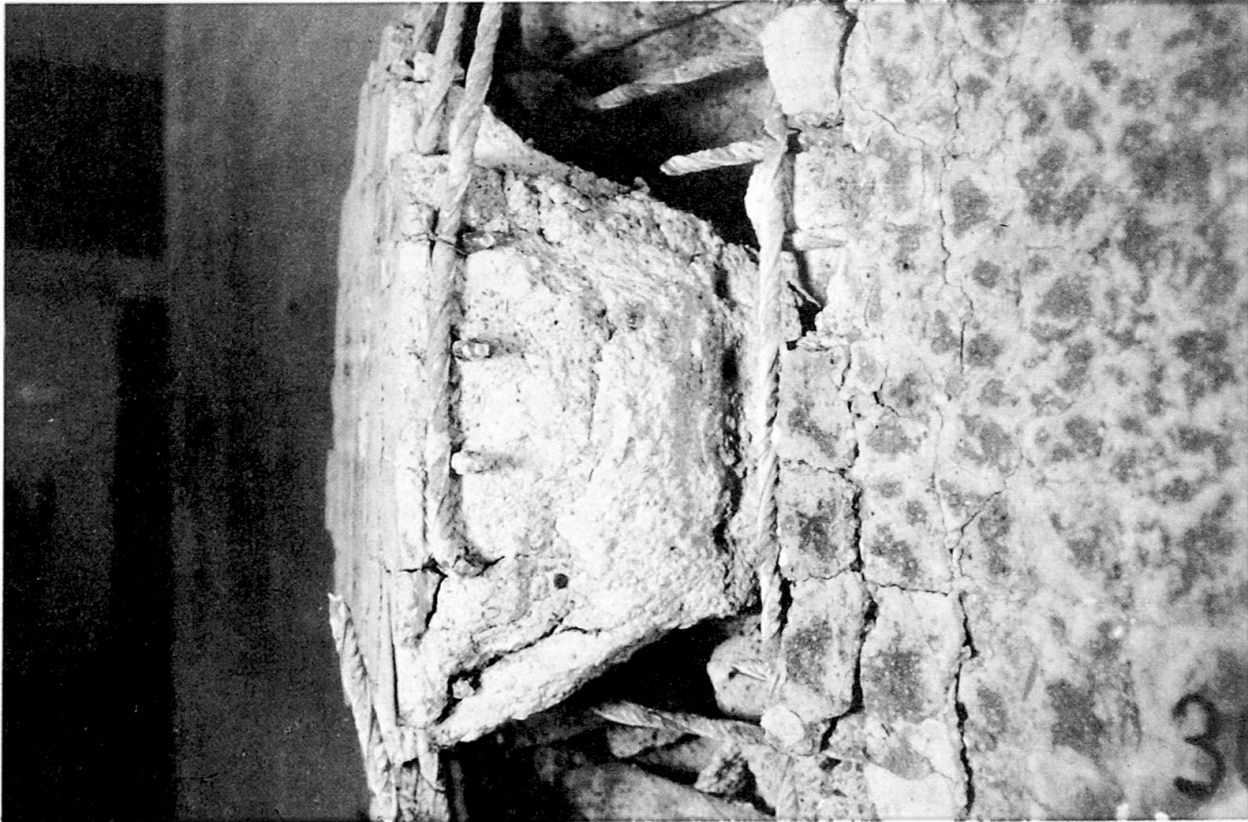
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Reinforced concrete slab tested under impact load in BAM laboratories

5. Concrete structures under impact and impulsive loading Berlin (West), June 2-4, 1982

This Interassociation-Symposium is jointly organised by RILEM, CEB, IABSE, IASS.

Scope

The symposium will bring together experimentalists, theoreticians and engineers engaged in the various problems of reinforced concrete structures due to impact and impulsive loading. The aim of the symposium is an intensive exchange of research results and experiences as well as a broad discussion of existing problems. The attempt to close gaps in our knowledge of the behaviour of materials, structures and structural members due to extreme load conditions is intended. Furthermore, the symposium should help to develop or to improve new experimental techniques, theoretical methods, and models of material and structural behaviour and thus give a stimulus to future research work.

Topics

The contents of the symposium will concern descriptions of mechanical behaviour of materials, i.e., concrete, steel and bond, including high strain rate effects and material properties in the contact zone, the behaviour of critical regions involving local surface destructions and energy absorption. The behaviour of struc-

tures regarding the overall response in the linear and nonlinear range as well as the structural modelling and the numerical methods for dynamic analysis are also to be considered. Contributions will concern, furthermore, basic concepts and load characteristics regarding general aspects, phenomena, and different types of loads. Testing and monitoring techniques with respect to specific test methods and data acquisition will be discussed. Moreover, applications regarding case studies, design methods, and accidents are equally presented.

General information

The introductory report containing six general lectures concerning the topics of the symposium will be published in November, 1981. The final invitation to the symposium with more detailed information will be mailed in October, 1981.

Persons interested in the symposium and in receiving the final invitation are kindly requested to write to the following address

Dr. G. Plauk – Symposium Secretariat
Bundesanstalt für Materialprüfung (BAM)
Unter den Eichen 87
D-1000 Berlin (West) 45