Vorwort

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PREFACE

In the design of cable-stayed bridges and prestressed concrete bridges with unbonded tendons, the fatigue strength of long cables is a major design criterion. Generally, only test result on short specimens of wires or cable pieces are available. These results are then extrapolated to determine the fatigue strength of large cables with lengths from ten to several hundred metres.

Only recently, experimental as well as theorical studies have been made to perform this extrapolation with models based on physical observations and statistical requirements.

IABSE has organized the workshop to bring together the specialist in research and design, for an intensive exchange of knowledge and ideas. The introductory report and workshop papers should present an up-to-date documentation of present knowledge and development of this important field.

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