

BOOK REVIEW

E. J. HEARN: *Strain Gauges*. Merrow Publishing Co, Watford, Herts, England, 1971

The methods of experimental stress analysis are applied more and more to determine the real behaviour of structures in the state of design as well as in the state of control. They offer a possibility to verify the correctness of any theoretical method, or to determine the condition or load capacity of a structure.

In the last decades of this century, measuring with electrical resistance strain gauges has gained more and more ground among the experimental methods because it is very suitable for determining the statical and dynamical strains and stresses and it can be used both in model methods and on real structures.

The aim of E. J. Hearn's book is to introduce the electrical-resistance strain gauge technique, so it deals mainly with the principles of strain gauges, the different forms, the conditions of its application, the basic principles of measuring, the strain gauge installation and the different measurement systems in the field of dynamical and statical problems. The book gives a short survey of the different types of strain gauges, measuring and recording systems, too.

The book discusses the strain gauge technique in an informative rather than in a practical way.

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