

REPORTS AND PUBLICATIONS IR. F. K. LIGTENBERG

- Three dimensional photoelasticity (TU-Delft 1950, in Dutch).
- Design of experiments (with examples) (TU-Delft 1951, in Dutch).
- Photoelastic investigation of the cross section of the Velser tunnel for road traffic (TU-Delft 1951, in Dutch).
- Skewed slab for a railway bridge (TU-Delft 1951, in Dutch).
- Photoelastic stress analysis (in Dutch). *Plastica* 4 (1951) no. 12.
- The Moiré method. A new experimental method for the determination of moments in small slab models (in Dutch). *De Ingenieur* 64 (1952) no. 9.
- Experimental stress analysis (in Dutch). *De Ingenieur* 64 (1952) no. 32.
- Some methods for the observation of small differences in optical path length (TU-Delft 1952, in Dutch).
- Floating door for a shipyard dock (TU-Delft 1952, in Dutch).
- Stresses caused by gravity in dykes (TU-Delft 1953, in Dutch).
- Lecture notes on experimental stress analysis (TU-Delft 1954, in Dutch).
- Research concerning the rigidity of a machine foundation (TU-Delft 1954, in Dutch).
- The Moiré method. A new experimental method for the determination of moments in small slab models. *Proceedings SESA*, vol. XII, no. 2 (1954).
- Research concerning the rigidity of a machine foundation, part II (TU-Delft 1955, in Dutch).
- Photoelastic analysis of the stresses in dykes (in co-operation with G. de Josseling de Jong) (TU-Delft 1955, in Dutch).
- The influence of periodic temperature changes on the stress distribution in a tunnel (TU-Delft 1956, in Dutch).
- The stress distribution in fillet welds (in Dutch). *IBC-Mededelingen* 4 (1956) no. 1.
- Experimental stress analysis, a new aid for the structural engineer (in Dutch) *Genie* 7 (1957) no. 5.
- A simple load cell (in co-operation with H.W. Loof) (TU-Delft 1957, in Dutch).
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- Research concerning the Philips Pavilion in the Brussels world fair (execution in prefabricated elements) (TU-Delft 1957, in Dutch).
- Some elementary calculations relative to the vibrations of the machine foundations (TU-Delft 1957, in Dutch).
- An analogy model of a beam in the elasto-plastic range (TU-Delft 1957, in Dutch).
- Tests on small scale models of welded connections (BI-58-19, in Dutch).
- Stability and limit design (in Dutch). *IBC-Mededelingen* no. 2, 1958.
- Research in connection with the erection of the Philips Pavilion on the world fair in Brussels (in co-operation with Prof.Ir. A.L. Bouma) (in Dutch). *Philips Technisch Tijdschrift* 1958.
- The influence of scale and electrotype on the static strenght of welded connections (BI-59-12).

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The stress conditions inside a dyke (in Dutch). *De Ingenieur* 72 (1960) no. 11.

Tests on a welded connection (in Dutch). *Lastechniek* no. 11 L, 1960.

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Problems of translation between different philosophies on structural safety (CUR-committee A 16) (in Dutch). Cement 27 (1975) no. 6.

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