

ENGLISH SUMMARY

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COMPARISON OF RELIABILITY LEVELS  
IN STEEL STRUCTURES DESIGNED BY  
CODES OF GERMAN DEMOCRATIC  
REPUBLIC AND FINLAND

This paper gives some first results from a research project about steel structures belonging to the scientific-technical cooperation between German Democratic Republic (DDR) and Finland. This research project, which is carried out by the chair of Metal Structures in the Technical University of Leipzig and the chair of Steel Structures in Helsinki University of Technology together with the Laboratory of Structural Engineering of the Technical Research Center of Finland, is concentrated on three main themes and one of these is structural safety and reliability of steel structures. In this article, results of the reliability analysis are given by calculating and comparing the so called safety index for typical steel portal frames designed according to two national codes.