

P. Czumaj, S. Dudziak, Z. Kacprzyk, Computational models of reinforced concrete ribbed floor,

MATEC Web of Conferences 196, 01051 (2018) R-S-P Seminar 2018, Theoretical Foundation of Civil Engineering.

DOI: <https://doi.org/10.1051/mateconf/201819601051>

Abstract.

This paper describes differences between models of a rectangular shaped reinforced concrete floor with ribs, commonly used by structural designers. Comparison analysis proves significant differences in result obtained from different models. Incompatibility is shown both in static as well as in modal analysis.