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MODELING OF STEEL – CONCRETE HOLLOW CORE SLABS WITH THE NONLINEAR PROPERTIES OF THE STRUCTURE AND MATERIALS

There are the results of computer modeling of steel-concrete hollow core slabs using the software package «Lira.» The problem of finding an efficient numerical arrangement of voids and their sizes is solved; the load-bearing capacity is determined; the regularities of strain and stress development are reduced.

Keywords: *composite steel and concrete constructions, hollow core slabs, finite element method, modeling.*