

*L.I. Storozhenko, D.Sc., Professor
A.V. Nizhnik, D.Sc., Professor
O.V. Klestov, Assistant
Poltava National Technical Yuri Kondratyuk University*

**ANALYSIS OF STRESS-STRAIN STATE OF REINFORCED
CONCRETE SLABS WITH STEEL FRAMING BY SOFTWARE
PACKAGE «LIRA»**

The calculation of reinforced concrete slab with steel framing by CAD system with numerical methods and its results are shown. The two-way slab is being investigated in this article. The process of calculation considers the physical non-linearity of materials behavior of structure. The analysis of accordance the results of calculation of slabs to experimental data has been carried.

Keywords: *slab, composite structures of steel and reinforced concrete, model, calculation.*