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**THE BEARING CAPACITY CALCULATION FOR PRECAST CONCRETE
ELEMENTS OF THE FLAT SLAB CONSTRUCTION BY MEANS OF THE
MAXIMUM EQUILIBRIUM METHOD**

The kinematic variant of the maximum equilibrium method is suggested for calculating strength of precast flat slab construction's plates using the optimization methods.

Keywords: *precast flat slab construction, supercolumnar floor slab, intercolumnar floor slab, middle floor slab, optimization of floor slabs reinforcement.*