

*M.G. Chekanovych, Ph.D, professor
O.M. Chekanovych, Ph.D
V.P. Zhyrakhivskiy, Post-graduate student
Kherson State Agricultural University*

STRENGTH OF STEEL-REINFORCED CONCRETE BEAMS REINFORCED WITH A LEVER-ROD SYSTEM

The article presents a new lever-rod strengthening system for a single-span steel-reinforced concrete beam. The proposed system allows for efficient redistribution of stresses between the compressed and tensile zones of the beam under external load.

Keywords: *steel-reinforced concrete beam, lever-rod system, external reinforcement, strength.*