

V.N. Malinovskiy, Ph.D.  
P.V. Krivitskiy, postgraduate st.  
Brest State Technical University, Belarus

## **SHEAR DESIGN METHODS OF REINFORCED CONCRETE MEMBRANES BASED ON COMPRESSION FIELDS THEORY**

*Design methods of reinforced concrete members based on compression fields theory are presented. With these methods, equilibrium conditions, compatibility conditions, and stress-strain relationships for both the reinforcement and the diagonally cracked concrete are used to account the load-deformation response of a section subjected to shear.*

**Keywords:** *reinforced concrete elements, shear, strain, stress*