

TO CALCULATION OF REINFORCED CONCRETE ELEMENTS BY DEFORMATIONS

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ABSTRACT

The article considers the calculation of bent reinforced concrete elements according to deformations working with us in the stretched zone. In contrast to the methodology of design standards, an “accurate” within the accepted prerequisites and a simplified methodology for determining the curvature of bending elements with cracks in the tension zone from the action of external loads is given.

The curvatures calculated by the proposed method and by the method of norms for the design of reinforced concrete structures are compared.

KEYWORDS: Reinforced concrete, element, deformation, crack, curvature.

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