

ИЗСЛЕДВАНЕ НА ЕФЕКТА НА НАПРЕЧНО ОГРАНИЧЕНИЕ НА БЕТОНА В НАТИСКОВАТА ЗОНА НА СТОМАНОБЕТОННИ ГРЕДИ

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STUDY ON THE EFFECT OF TRANSVERSE CONFINEMENT IN THE COMPRESSION ZONE OF REINFORCED CONCRETE BEAMS

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Abstract:

In the present article, a study on the effect on the stressed state and bending capacity of reinforced concrete beams with transverse confinement of concrete in the compression zone is conducted. The results for chosen rectangular cross sections with different longitudinal and transverse reinforcements are presented. The effects of the concrete class and applied reinforcement are also analyzed and some recommendations about the reinforcement detailing are given.

Keywords:

Stressed State, Bending Capacity, Confined Concrete, Confined Compression Zone.

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