

Economical Design of Reinforced Concert Components Sections According to the Local Conditions¹

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Abstract

As a result of the scientific and technological progress in different types of industry, one of which, Construction industry, new materials and methods of executing and designing buildings are utilized in general. Therefore, finding the best and economical solution is one of the main issues addressed by the researchers in recent years.

- Economical design i.e. researching best and most suitable solutions for specified load conditions and environment requires a good knowledge in calculation and designing methods, exacting and constructing methods and the types and prices of materials available locally.

-This paper discusses the economical design of the reinforced concrete components specified for the basic forces(M,Q,N). Consequently, it is the economical design of the structural framework of the reinforced concrete buildings according to the main changes of materials price for constructing these structures at specific local conditions.

¹ For the paper in Arabic see pages (11-32).

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