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Design of Process Parameters For minimizing segregation effect in concrete mix

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Abstract : Segregation is the process of separation of constituent materials of the concrete mix. Literature survey revealed that, extensive work was carried out on techniques used for reducing the tendency for segregation. Various issues involved in segregation were also presented in the literature. The techniques used to address above issues were discussed in the literature. The process of making good or bad concrete depend on the process, though both have the same ingredients. If the concrete has the tendency for segregation, it is going to be weak and exhibits undesirable properties by getting hardened. An attempt is made in the present work to study the state of art of latest research with desired properties. The issues involved are identified and the techniques used for addressing the same are reviewed. The major contribution of the present work is to provide a detailed critical review of research work carried out till date ,on minimizing segregation properties of concrete mix and to identify and address the issues involved. The present work offers a wide scope for future work in this field.