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(57) Abstract:

DEVELOPMENT OF ARTIFICIAL INTELLIGENCE TECHNIQUES TO PREDICT THE ENERGY ABSORPTION IN FIBER REINFORCED SELF COMPACTING CONCRETE The present invention relates to development of artificial intelligence techniques to predict the energy absorption in fiber reinforced self-compacting concrete. Unlike other machine learning symbolic expressions and that have different accuracy and complexity. As the present invention is a model that predicts the SC for different ages of concrete from 1 to 365 days, the achieved of the database could further improve the accuracy of the obtained model. Figure of abstract; FIG. 1

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34682