

14. Dvorkin L., Dvorkin O., Ribakov Y. Mathematical experiments planning in concrete technology. Nova Science Publishers, New York, 2012. 173 p. [Электронный ресурс]. URL: https://www.researchgate.net/publication/293205467_Mathematical_experiments_planning_in_concrete_technology
15. Kheder G., Gabhan A., Suhad. Mathematical model for the prediction of cement compressive strength of the ages of 7 and 28 days // Mater. Struct. 2003. No. 36. Pp. 693–701. DOI: 10.1007/BF02479504.
16. Hwang K., Noguchi T. and Tomosava F. Prediction model of compressive strength of fly-ash concrete // Cement Concrete Res. 2004. No. 34, Pp. 2269–2276. [Электронный ресурс]. URL: <ftp://ftp.ecn.purdue.edu/olek/PTanikela/To%20Prof.%20Olek/Data/Strength%20Activity%20Index/INFORMATION/strength%20as%20a%20function%20of%20blaines.pdf>
17. Hamid-Zaden N., Jamili A., Narim-Zadeh A., Akbar-Zadeh. A polynomial model for concrete compressive strength prediction using GMDH – type neural networks and genetic algorithm. Proceedings of the 5th International Conference of System Science, Canary Islands, Spain, 2006. Pp. 16–18. [Электронный ресурс]. URL: https://www.researchgate.net/publication/254457742_A_Polynomial_Model_for_Concrete_Compressive_Strength_Prediction_using_GMDH-type_Neural_Networks_and_Genetic_Algorithm
18. Zain M., Abd S. Multiple regression model for compressive strength prediction of high performance concrete // J. Applied Sci. 2009. No. 9. Pp. 155–160. DOI: 10.3923/jas.2009.155.160.
19. Saadoon T., Gomes-Meijide B., Garcia A. New predictive methodology for the apparent activation energy and strength of conventional and rapid hardening concretes // Cement and Concrete Research. January 2019. Vol. 115. Pp. 264–273. DOI: 10.1016/j.cemconres.2018.10.020.
20. DeRousseau M., Kaspzyk J., Srubar W. Computational design optimization of concrete mixtures: A review // Cement and Concrete Research. Vol. 109. 2018. Pp. 42–53 [Электронный ресурс]. URL: <https://doi.org/10.1016/j.cemconres.2018.04.007>
21. Mayercsik N., Vandamme M., Kurtis K. Assessing the efficiency of entrained air voids for freeze-thaw durability through modeling // Cement and Concrete research. 2016. Vol 88. Pp. 43–59. DOI: 10.1016/j.cemconres.2016.06.004.
22. Jiao D., Shi C., Yuan Q., An X., Liu Yu. Mixture design of concrete using simplex centroid design method // Cement and Concrete Composites. 2018. Vol. 89. Pp. 76–88. DOI: 10.17632/xhss7xv6wz.1.
23. Dvorkin L., Zhitkovsky V., Stepasiuk Y. A method for design of high strength concrete composition considering curing temperature and duration // Construction and Building Materials. 2018. Vol. 186. Pp. 731–739. DOI: 10.1016/j.conbuildmat.2018.08.014.
24. Ларсен О.А., Наруть В.В. Самоуплотняющийся бетон с карбонатным наполнителем для объектов транспортной инфраструктуры // Инженерно-строительный журнал. 2016. № 8(68). С. 76–85. DOI: 10.5862/MCE.68.8.
25. Dvorkin L., Zhitkovsky V., Ribakov Y. Concrete and mortar production using stone siftings, 2018, CRC Press, Boca Raton, London, New York, 155 p.
26. Фурманов Н.Е. Благоприятный состав бетона для изготовления водонепроницаемых конструкций по системе «Белая ванна» // Инженерно-строительный журнал. 2009. № 3 (5). С. 11–16 [Электронный ресурс]. URL: http://engstroy.spbstu.ru/index_2009_03/furmanov_gidroizoliaciya.pdf
27. Барабанщиков Ю.Г., Беляева С.В., Архипов И.Е., Антонова М.В., Школьникова А.А., Лебедева К.С. Влияние суперпластификаторов на свойства бетонной смеси [Influence of superplasticizers on the concrete mix properties] // Инженерно-строительный журнал. 2017. № 6(74). С. 140–146. DOI: 10.18720/MCE.74.11.
28. Hedegaard S., Hansen T. Modified water/cement ratio law for compressive strength of fly ash concretes // Materials and Structure. 1992. Vol 25. Pp. 273–283. DOI: 10.1007/BF02472668.
29. Abdulahi M., Ojeade G. Modified water-cement ratio law for compressive strength of rice husk ash concrete // Nigerian Journal of Technology. 2017. Vol. 36, No. 2. Pp. 373–379. DOI: 10.4314/njt.v36i2.8.

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