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Features of Recognizing the Highly Specialized Language Handwriting in the Exampleof C++ Program Code

Abstract: In the modern world, text recognition technologies are getting widely used in the various fields. However, the task of handwritten text recognition is particularly difficult, if it refers to the specialized languages with a limited alphabet and specific syntax. This research investigates the possibility of using the deep learning methods to recognize a handwritten code of one of such highly specialized programming languages. Special attention is paid to the aspects of automated testing the correctness of the recognized code, which opens up the new prospects for increasing the speed, efficiency and reliability of processing the handwritten program codes.