
Research and development of security algorithm for design documentation in CAD / CAM / CAE saving from unauthorized access

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The study considers analysis results of the main methods of steganographic document protection (digital images). The paper also demonstrates the method and algorithm of steganographic data hiding that seem appropriate for addressing the protection of design documents from unauthorized access. The developed and implemented method of steganographic protection documentation in QR-codes is described. The analysis and evaluation of the readability of the QR-code with large volumes of messages using two steganographic algorithms is given: Koch algorithm and Benham algorithm. Thus, the paper proposes the method of data hiding based on a combination of coding using steganographic data hiding.

Keywords: project document, protection, unauthorized access, QR-code steganography, Koch algorithm, Benham algorithm.

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