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## ABOUT KNOWLEDGE EXTRACTION FOR DATA HIDDEN EMBEDDING IN IMAGES

*In the paper we propose an approach to extracting knowledge used in the intelligent technology of data hidden embedding in images, based on the use of analysis matrices. Visual characteristics of container images have been identified, and analysis matrices have been developed to estimate their significance. Processing by an engineer based on the knowledge of the developed analysis matrices allows you to analyze the impact of visual characteristics of container images on the embedding results and to develop the recommendations for choosing a container image.*

*Keywords: knowledge extraction; hidden embedding; images; analysis matrix; image properties.*

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2. . . . . - . . . . . , 2016. - 262 .
3. . . . . : . . . . . [ ] / . . . . . , . . . . . , 1989.
4. . . . . - . . . . . : . . . . . / . . . . . , . . . . . , 2014. - 140 .
5. . . . . : . . . . . / . . . . . , . . . . . : . . . . . , 2000. - 384 .
6. . . . . // . . . . . . . . . . : . . . . . - 2015. - 1(198). - . 158-162.

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