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DEVELOPMENT OF SOFTWARE FOR FACE RETRIEVAL SYSTEMS M ODELING

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The development of software for face retrieval systems modeling is studied. An overview of the state of the problem is provided. Computer modeling is shown to be required to select the most appropriate system structure, set of modules and their parameters. The basic requirements for modern face retrieval systems are determined. It is found that they provided the concept of building a software complex for FaRetSys modeling, which formed the basis for a new Simulink library developed by the authors. Examples of solving practical problems of facial biometrics, structure, composition and parameters of blocks of used systems are shown. Compact models of computer experiments are presented.

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