THE MODELS AND TECHNIQUE OF INTELLIGENT EVALUATION OF COMPUTER NETWORKS SECURITY LEVEL

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The approach to the intelligent evaluation of computer networks security level is presented. The approach uses a complex of models based on expert knowledge. In particular, the models of computer attacks, malefactor, general attack graph generation, computer network and security level evaluation are applied. The special attention is devoted to the model of general attack graph generation. The attack graph describes all possible variants of malefactor's attack actions. The technique of express evaluation of computer network security level is also presented.