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**Planning of clarifying observations for the controlling of overhead transmission lines based on laser scanning.** (Russian) [Zbl 1324.93134](#)

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Summary: We present an approach to the planning of clarifying observations of overhead lines. To this end, we process the high-precision data obtained with the use of the technology of laser scanning. We give the results of estimation of the parameters of the generalized lambda distribution of observational errors, which allows us to apply the algorithm for the planning of experiments and obtain the coordinates of the points for the clarifying observations. It is shown that the thus-constructed plans are effective and their application gives a gain in estimation accuracy.

**MSC:**

[93E12](#) Identification in stochastic control theory

[62F35](#) Robustness and adaptive procedures (parametric inference)

**Keywords:**

planning of experiment; Fisher information matrix; generalized lambda-distribution; regression; controlling of overhead transmission lines

**Full Text:** [MNR](#)