

RastrWin3 software package usage aspects in the stability margin monitoring system (SMMS) task.

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This article presents the application of power system state estimation technique based on the RastrWin3 software suite. It also provides an overview and description of the suite's key capabilities for solving related problems: determining observability, calculating pseudo-telemetry measurements, filtering telemetry data, and others. Examples and results of using the RastrWin3 state estimation module in a stability margin monitoring system (SMMS) for operational management of power system states in the Unified Energy System of Russia are provided.

Key words: state estimation, observability, telemetry filtration, SMZU.