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5.1.1 The Dawn of Electric Power Systems. In its simplest form, an electric power system consists of an electric power generator, a distribution system consisting of one or more distribution lines connecting the generator to users, and some protection/maneuver devices (see Fig. 5.1). Nowadays, this simple configuration is used for off-grid power systems or microgrids ...

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The focus of this work is on investigation of LabVIEW electric power tool in particular and LabVIEW software in general for the analysis and design of electric power systems. Here we are targeting the solution of different electrical engineering problems which we very often face in teaching the course of power system analysis.

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