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COMPUTER BASED DESIGN ALGORITHM FOR OVERHEAD LINES PROFILING

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Abstract. The mechanical dimensioning of the overhead lines is an optimization problem. The authors introduce the features of their design program for overhead line profiles, adjusted to the distribution lines, so that the structure total costs are minimized and the technical and safety constraints are fulfilled. The main principles of this program are the interactivity, optimization and high-level user-interface.

Keywords: overhead lines, mechanical dimensioning, computer-aided method, reliability.