**DEVELOPMENT OF METHODS FOR CALCULATING RELIABILITY OF ELECTRONIC EQUIPMENT USING PYTHON**

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Key words: reliability, electrical engineering, PCB, Python

**Introduction**. Reliability is one of the most important field in engineering that focuses on providing the functioning of the system under certain conditions for a fixed period of time. Working in this area, systems engineers around the world, design redundancy strategies, maintain availability level, and strive to improve the quality of any product. Such a complex task requires an appropriate software toolbox. Generally, this software is not cross-platform, has a high enough entry threshold, and is implemented for Windows. But what if we break these boundaries?

**Objectives**. Many ready-made solutions may offer to junior engineer either heavyweight and even unhandy user interface. In addition, if you use Linux-like distribution – you have very few options.